

# FUNCTIONAL DIAGRAM OF CONSUMER PRODUCTS DISTRIBUTION SYSTEM

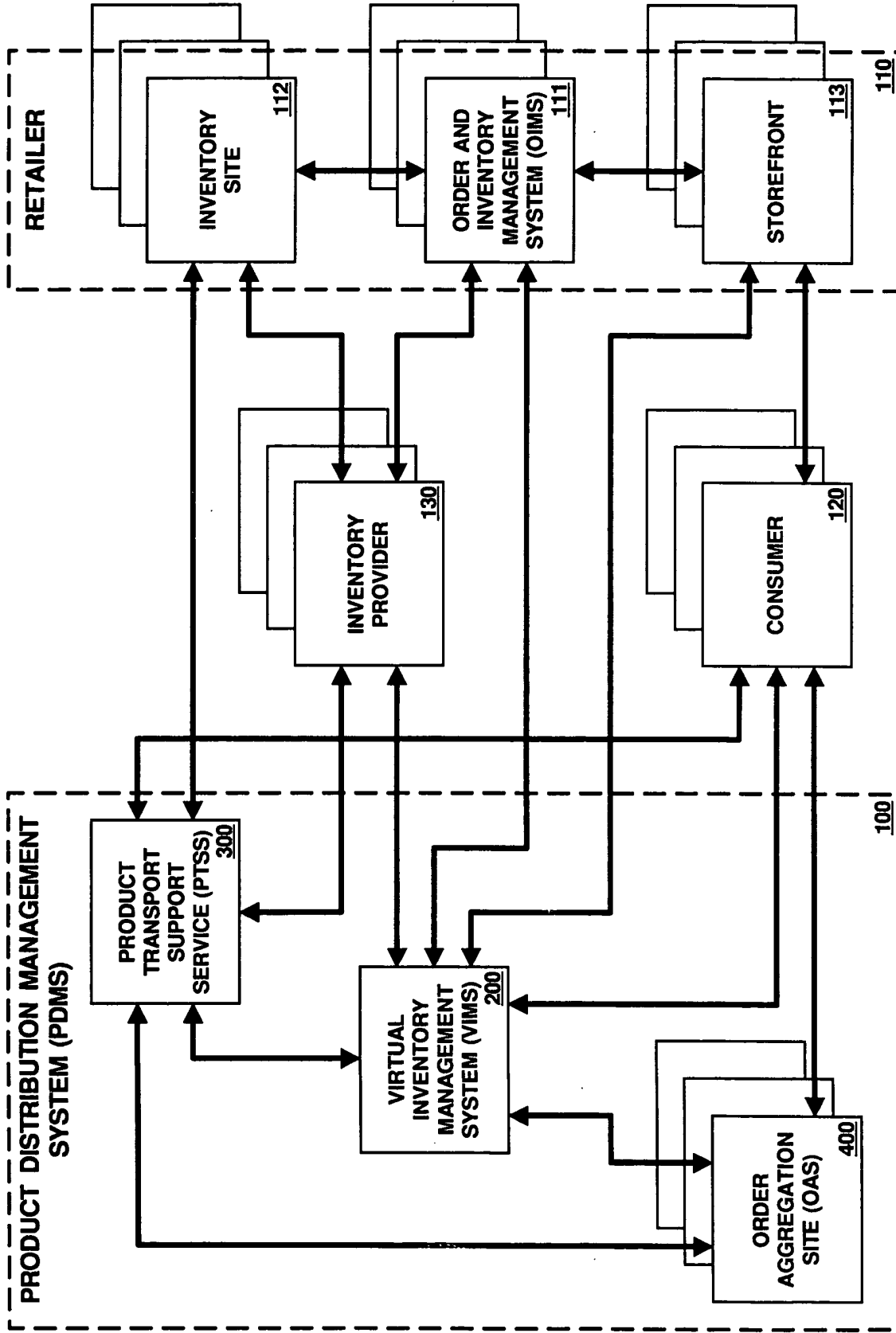


FIG. 1

# VIRTUAL INVENTORY MANAGEMENT SYSTEM (VIMS)

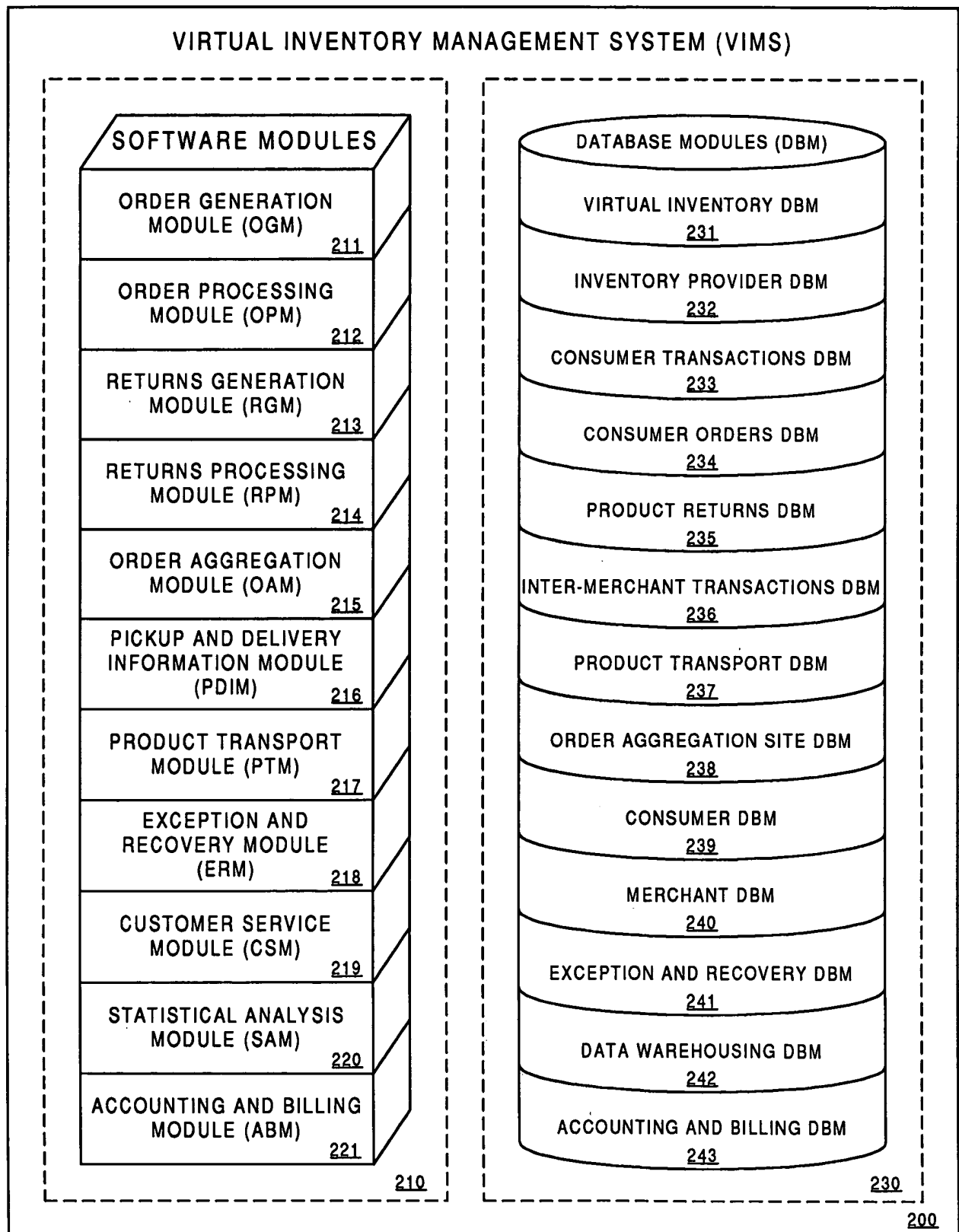


FIG. 2

# CONCEPTUAL ILLUSTRATION OF PRODUCT TRANSPORT SUPPORT SERVICE (PTSS)

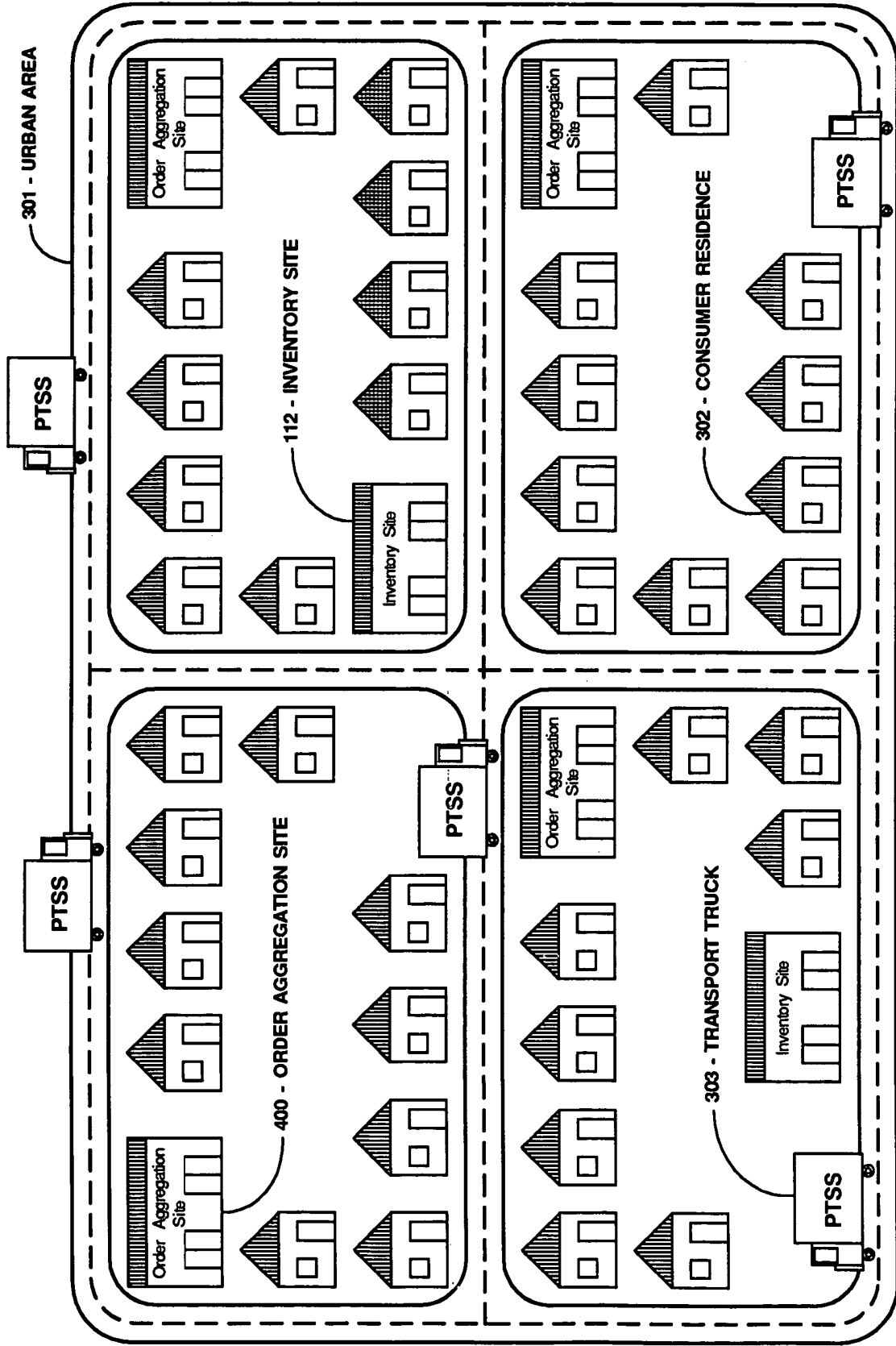


FIG. 3

# ILLUSTRATION OF A TYPICAL ORDER AGGREGATION SITE (OAS)

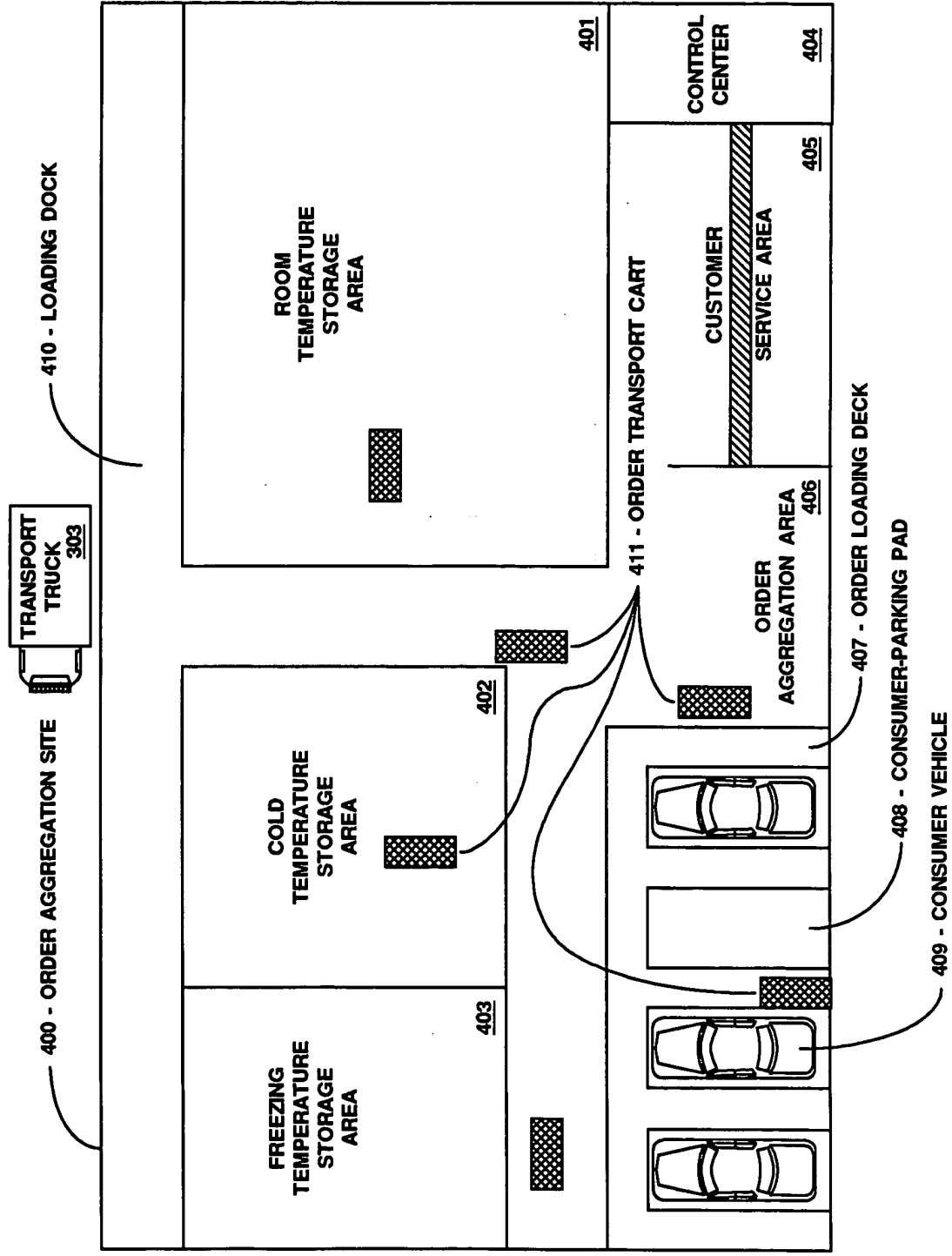


FIG. 4

[illegible]

## ORDER GENERATION MODULE (OGM) FLOW CHART

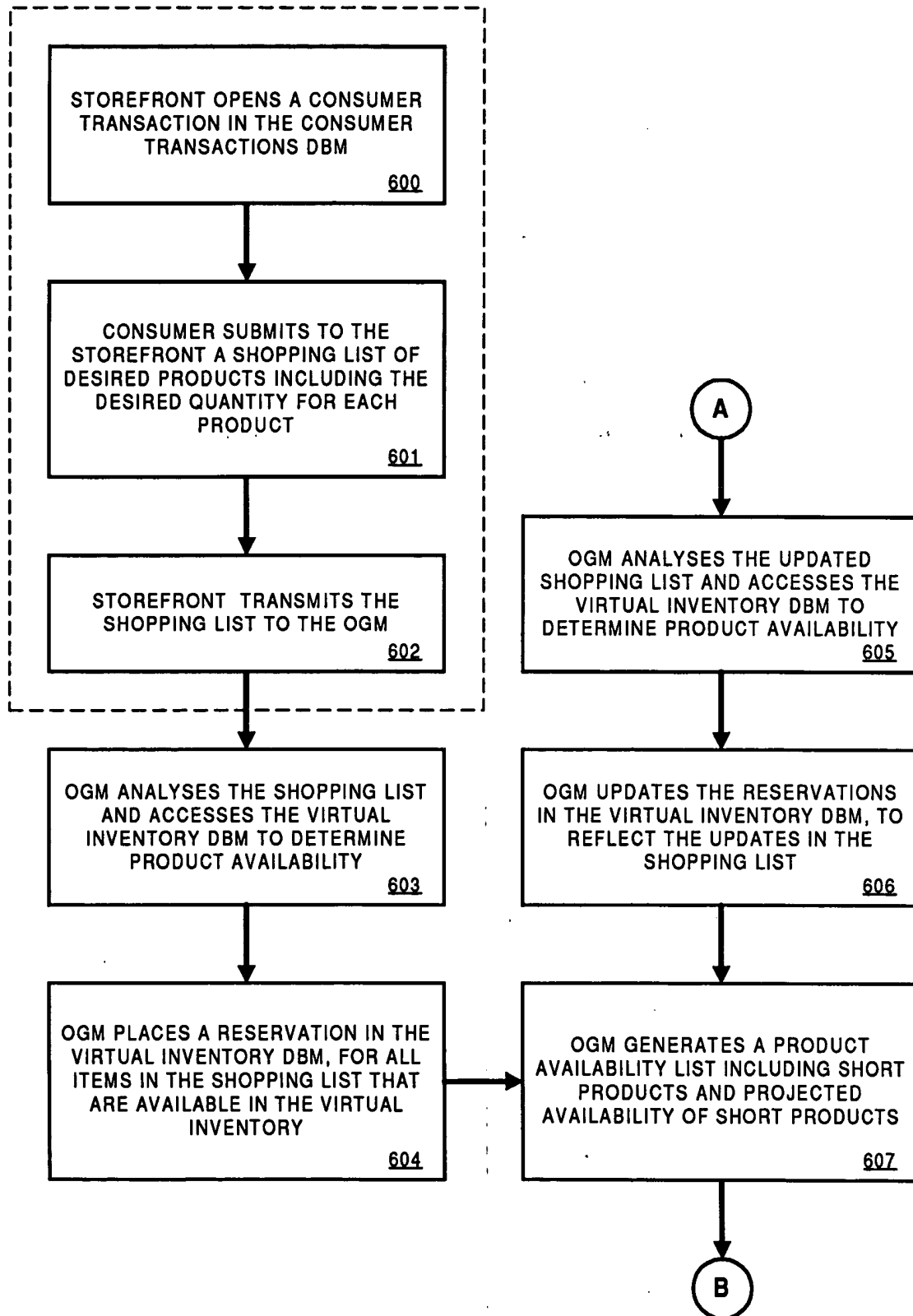


FIG. 6A

## ORDER GENERATION MODULE (OGM) FLOW CHART

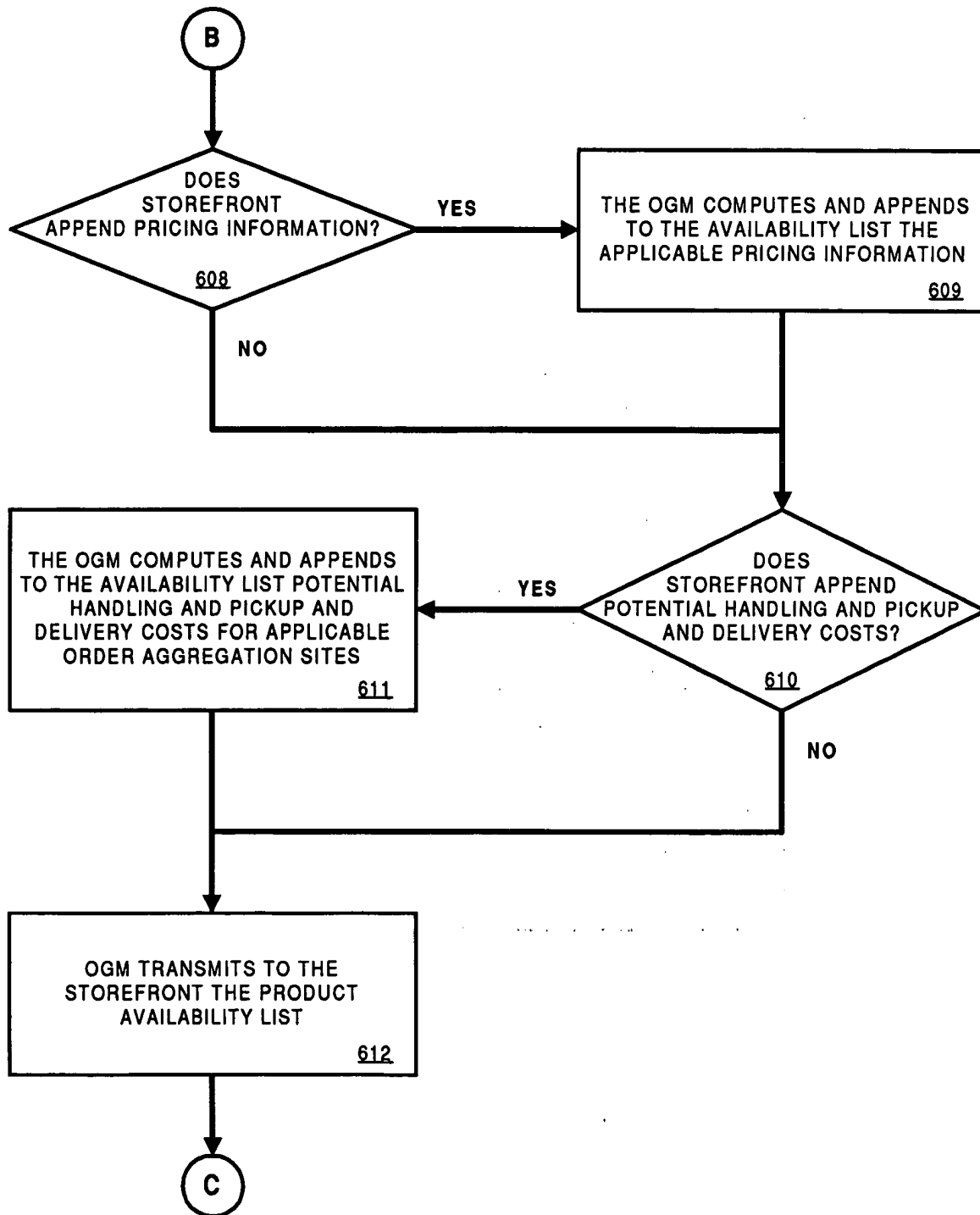


FIG. 6B

# ORDER GENERATION MODULE (OGM) FLOW CHART

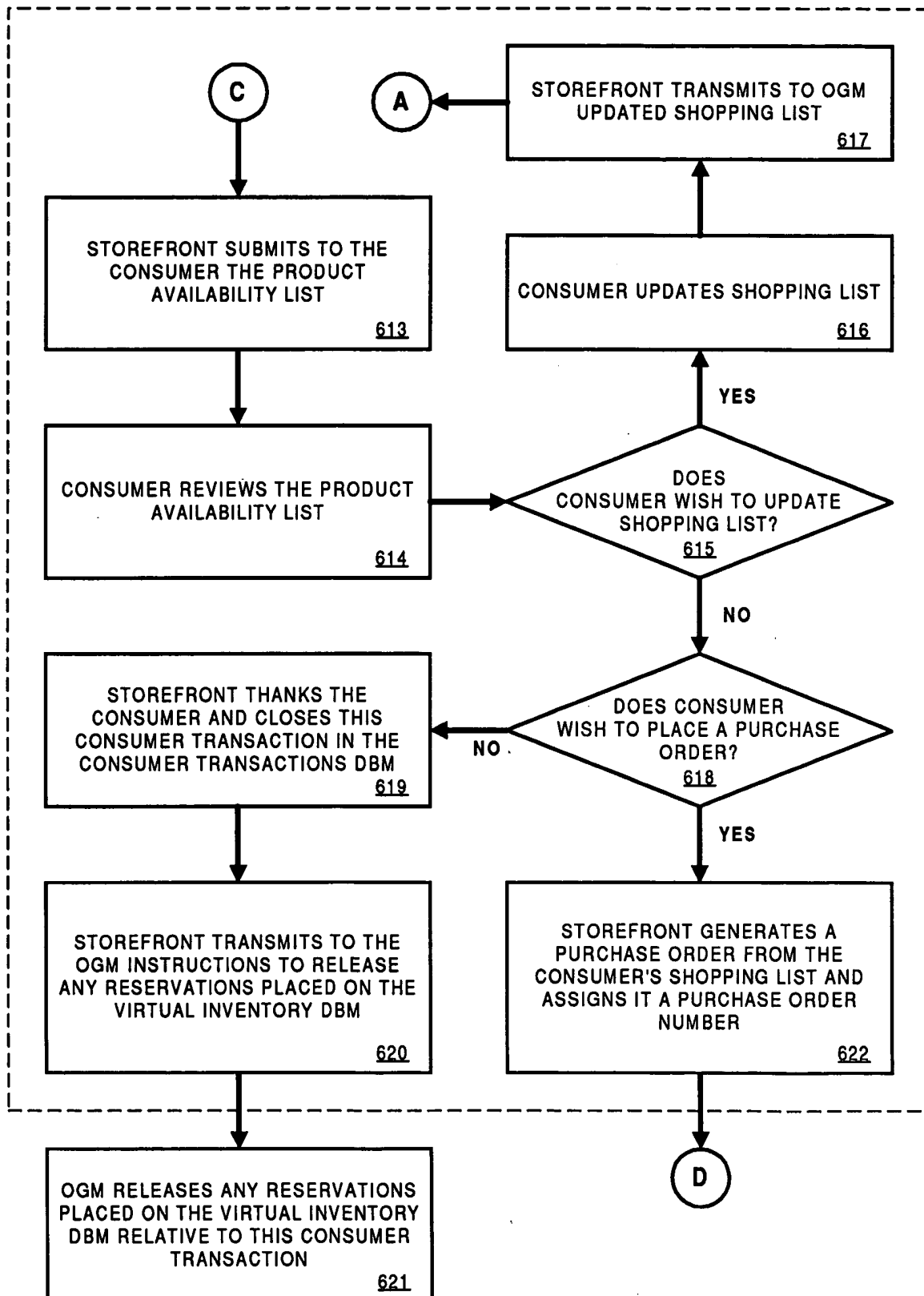


FIG. 6C



## ORDER GENERATION MODULE (OGM) FLOW CHART

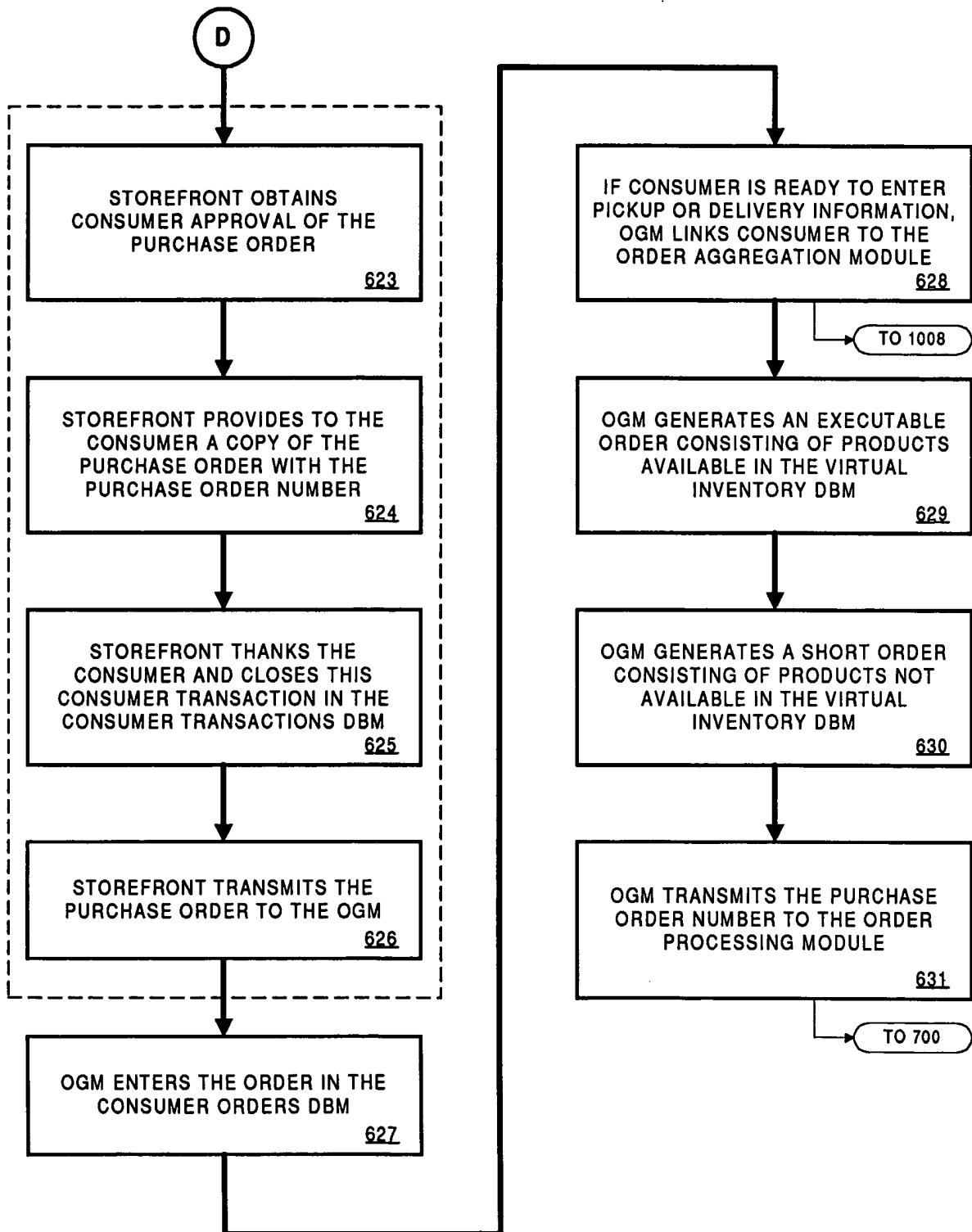


FIG. 6D

## ORDER PROCESSING MODULE (OPM) FLOW CHARTS

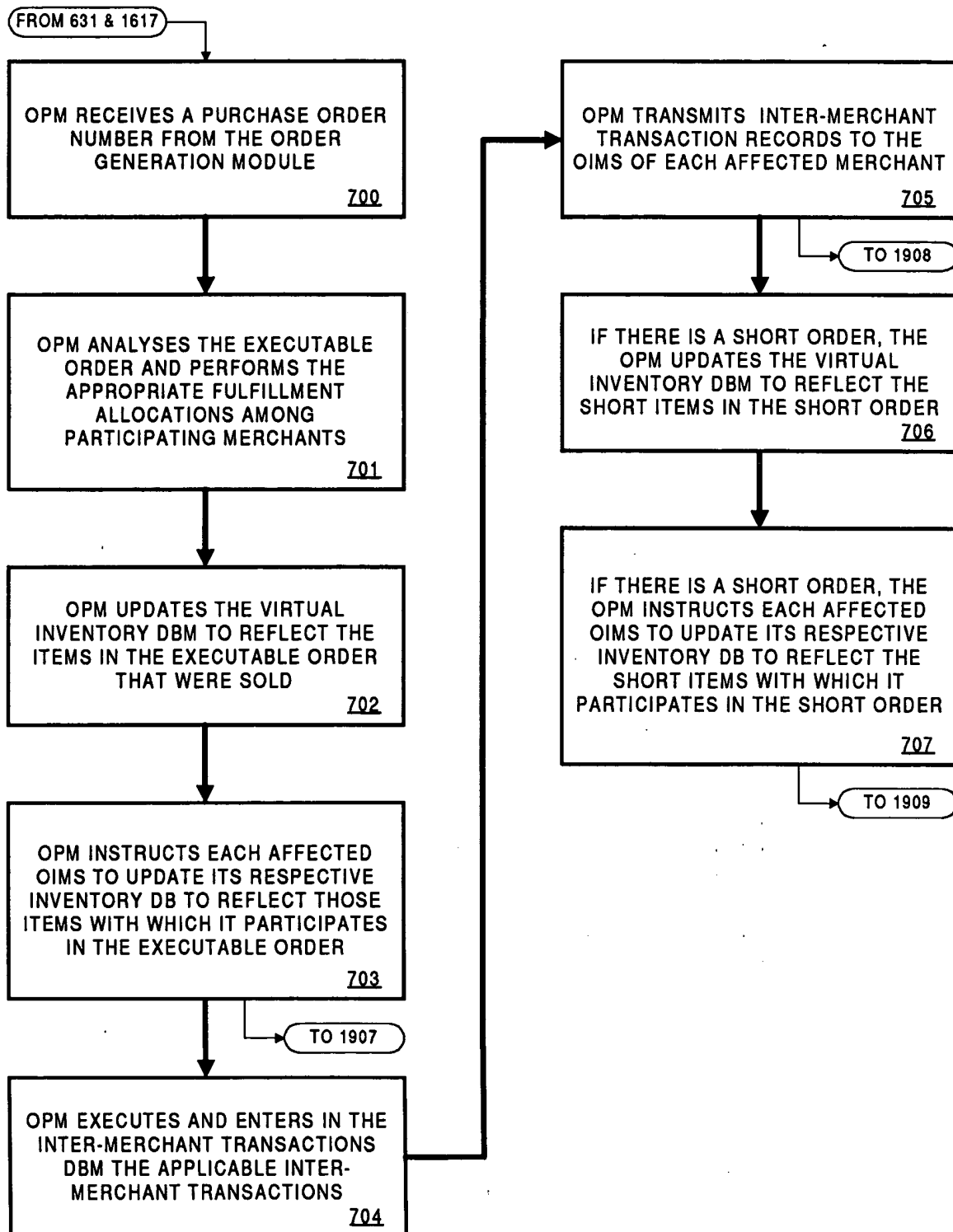


FIG. 7A

## ORDER PROCESSING MODULE (OPM) FLOW CHARTS

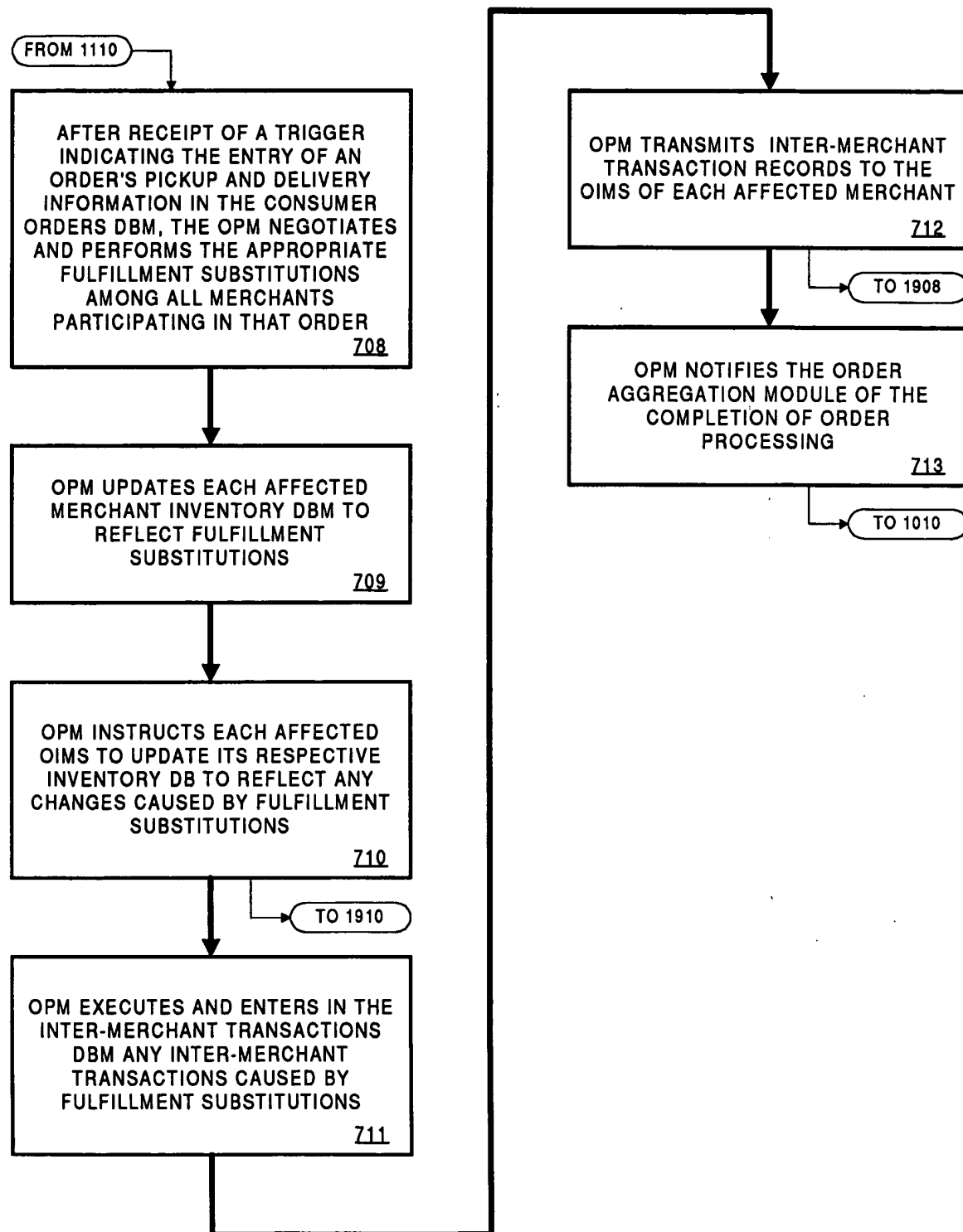


FIG. 7B

## RETURN GENERATION MODULE (RGM) FLOW CHARTS

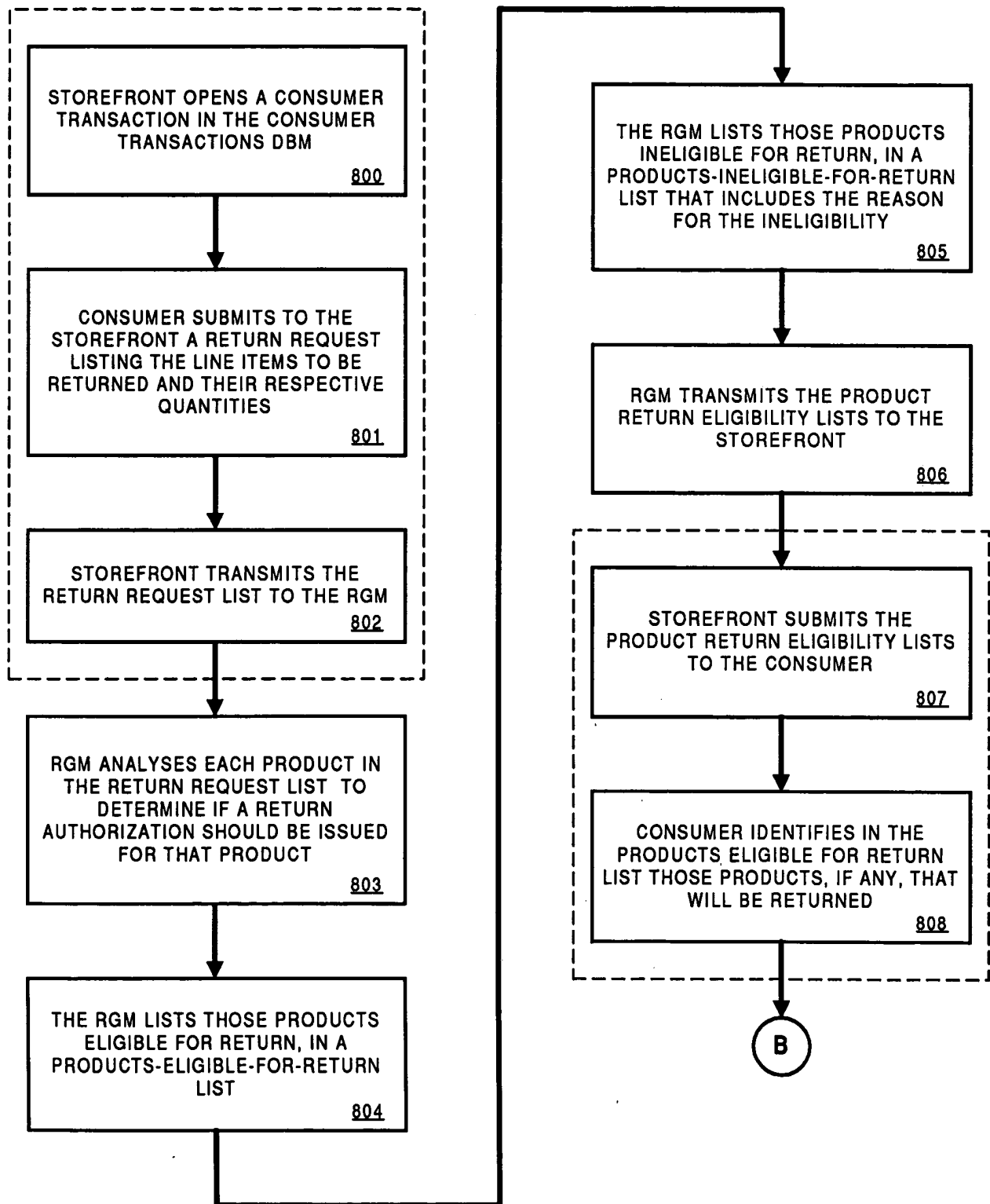


FIG. 8A

# RETURN GENERATION MODULE (RGM) FLOW CHARTS

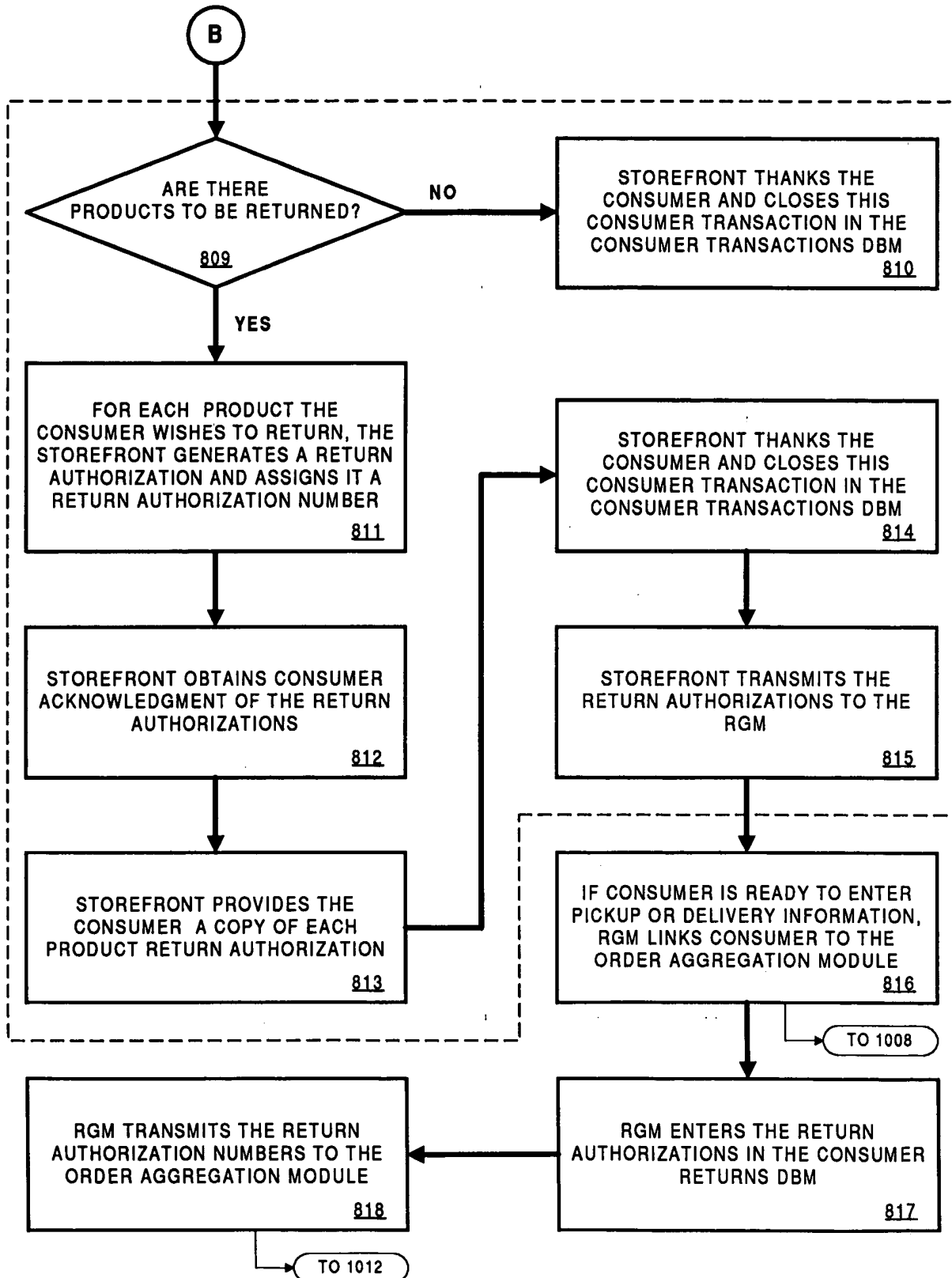


FIG. 8B

## RETURN GENERATION MODULE (RGM) FLOW CHARTS

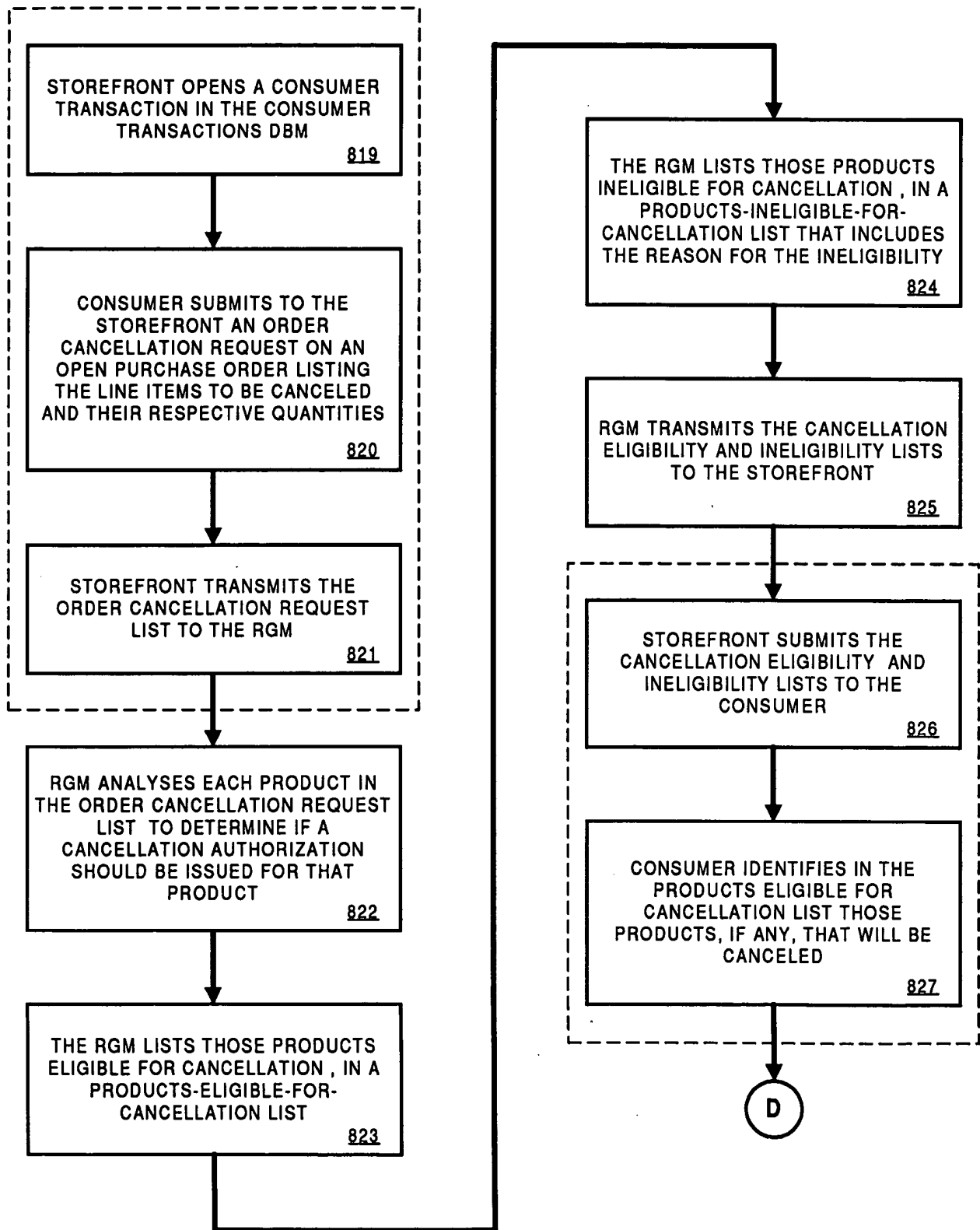


FIG. 8C

RETURN GENERATION MODULE (RGM) FLOW CHARTS

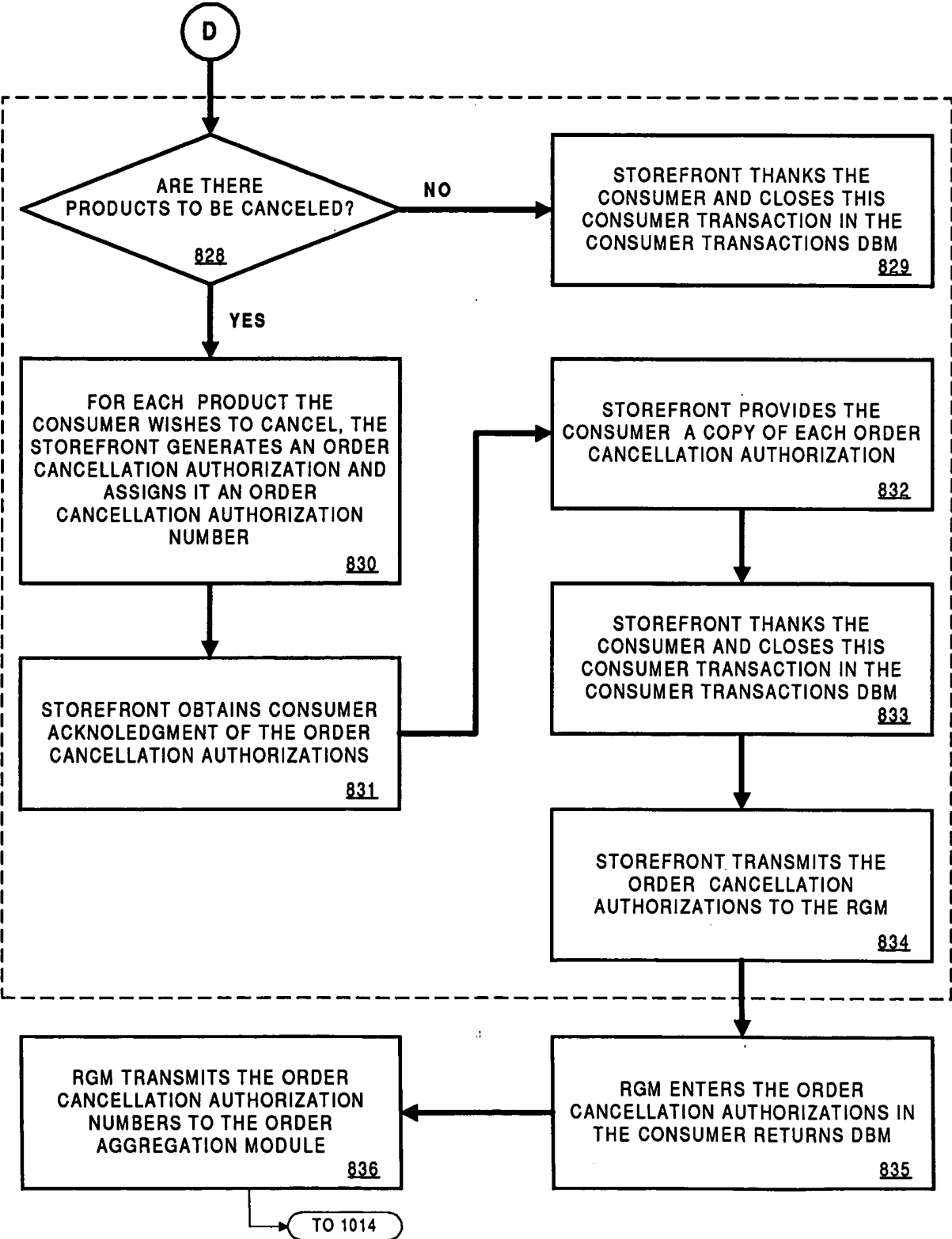


FIG. 8D

## RETURN GENERATION MODULE (RGM) FLOW CHARTS

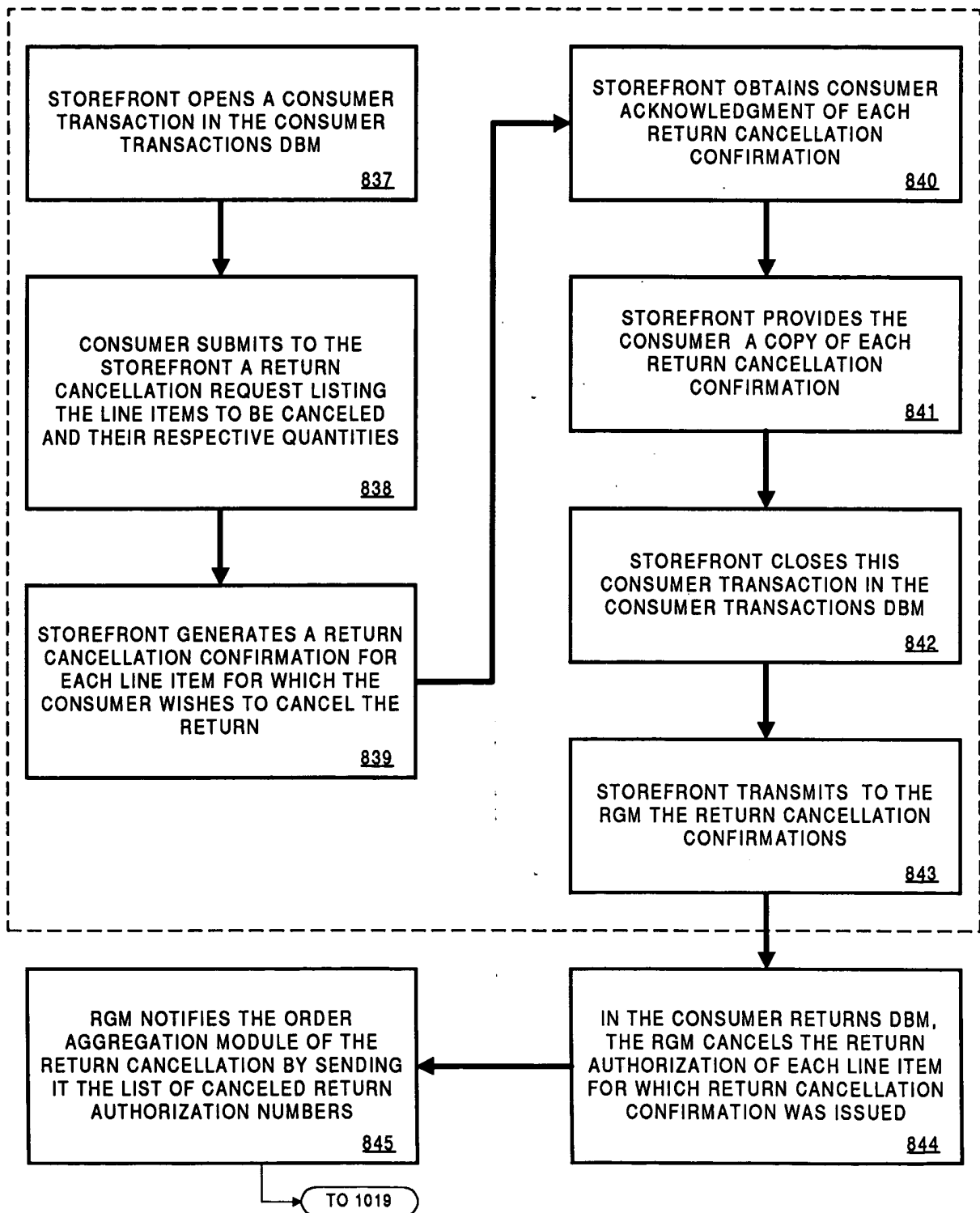


FIG. 8E



## RETURNS PROCESSING MODULE (RPM) FLOW CHARTS

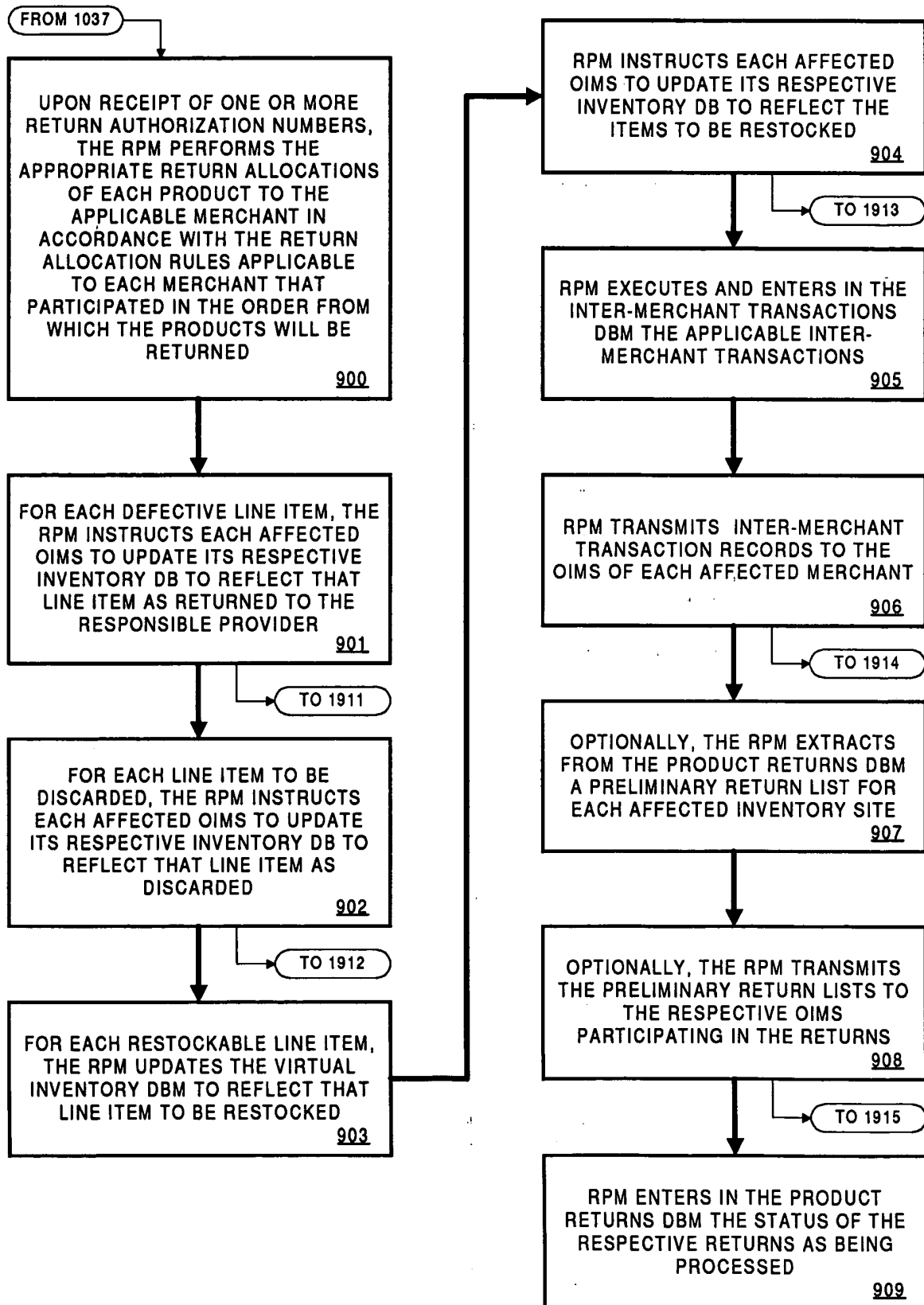


FIG. 9A

## RETURNS PROCESSING MODULE (RPM) FLOW CHARTS

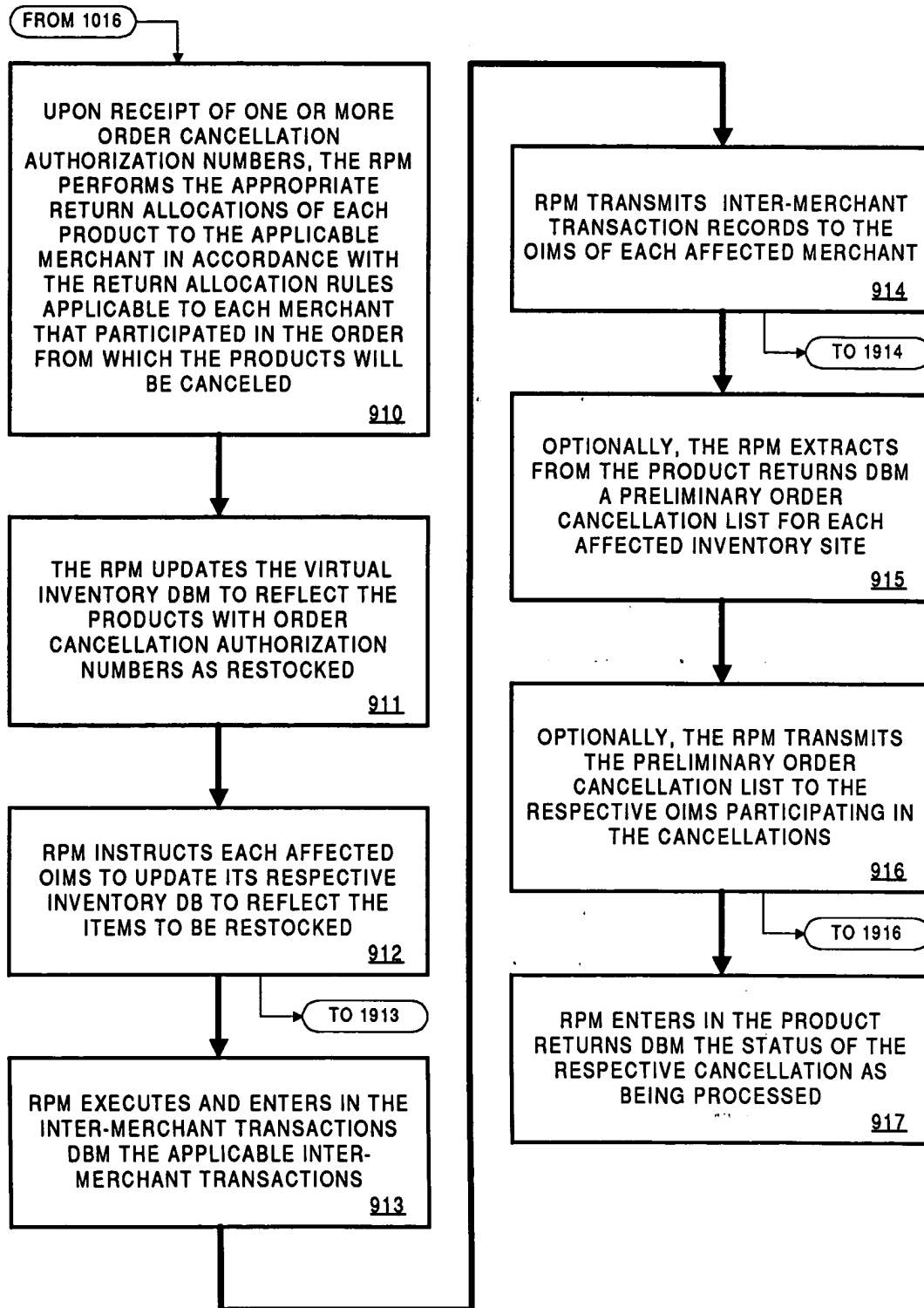


FIG. 9B

## ORDER AGGREGATION MODULE (OAM) FLOW CHARTS

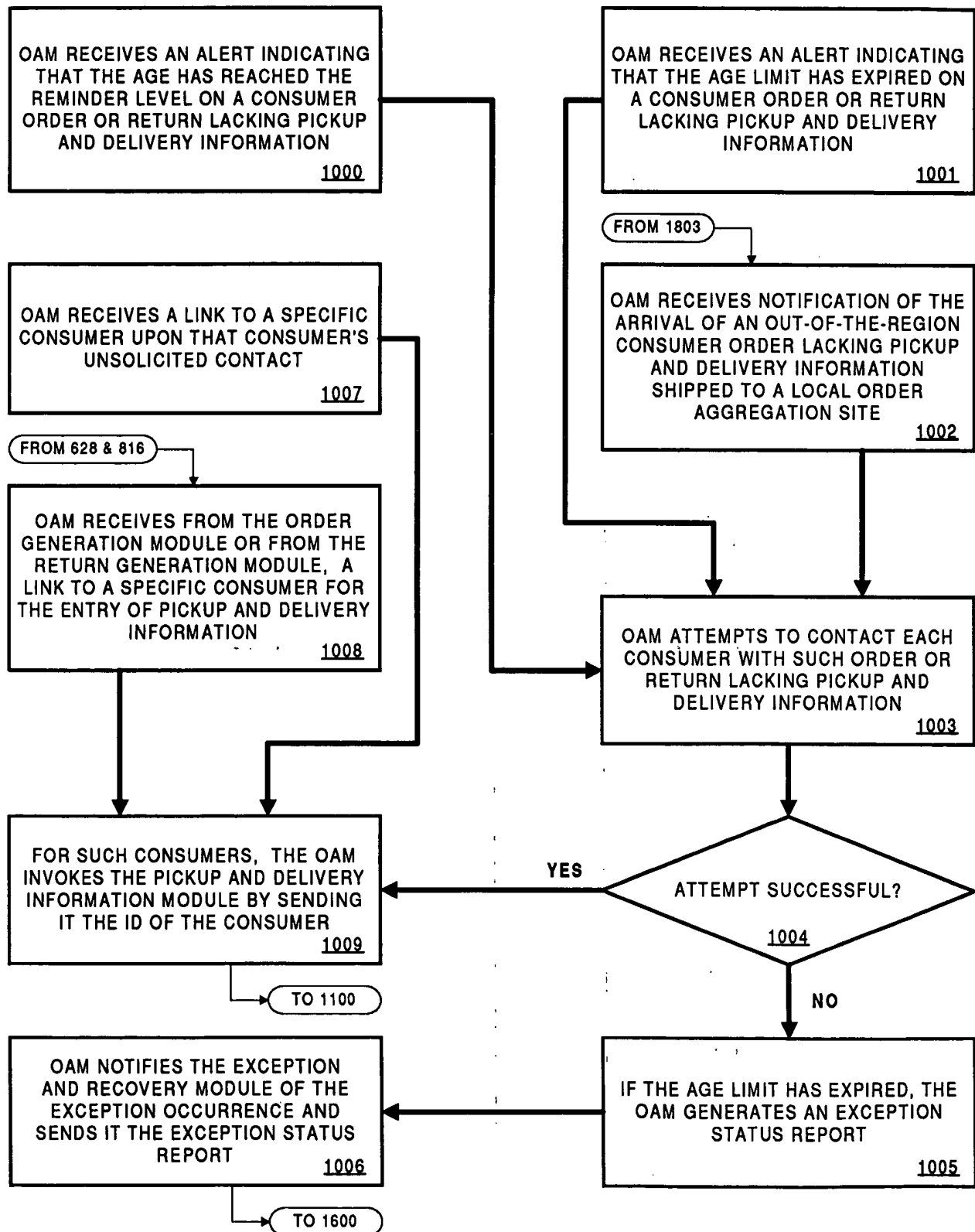


FIG. 10A

## ORDER AGGREGATION MODULE (OAM) FLOW CHARTS

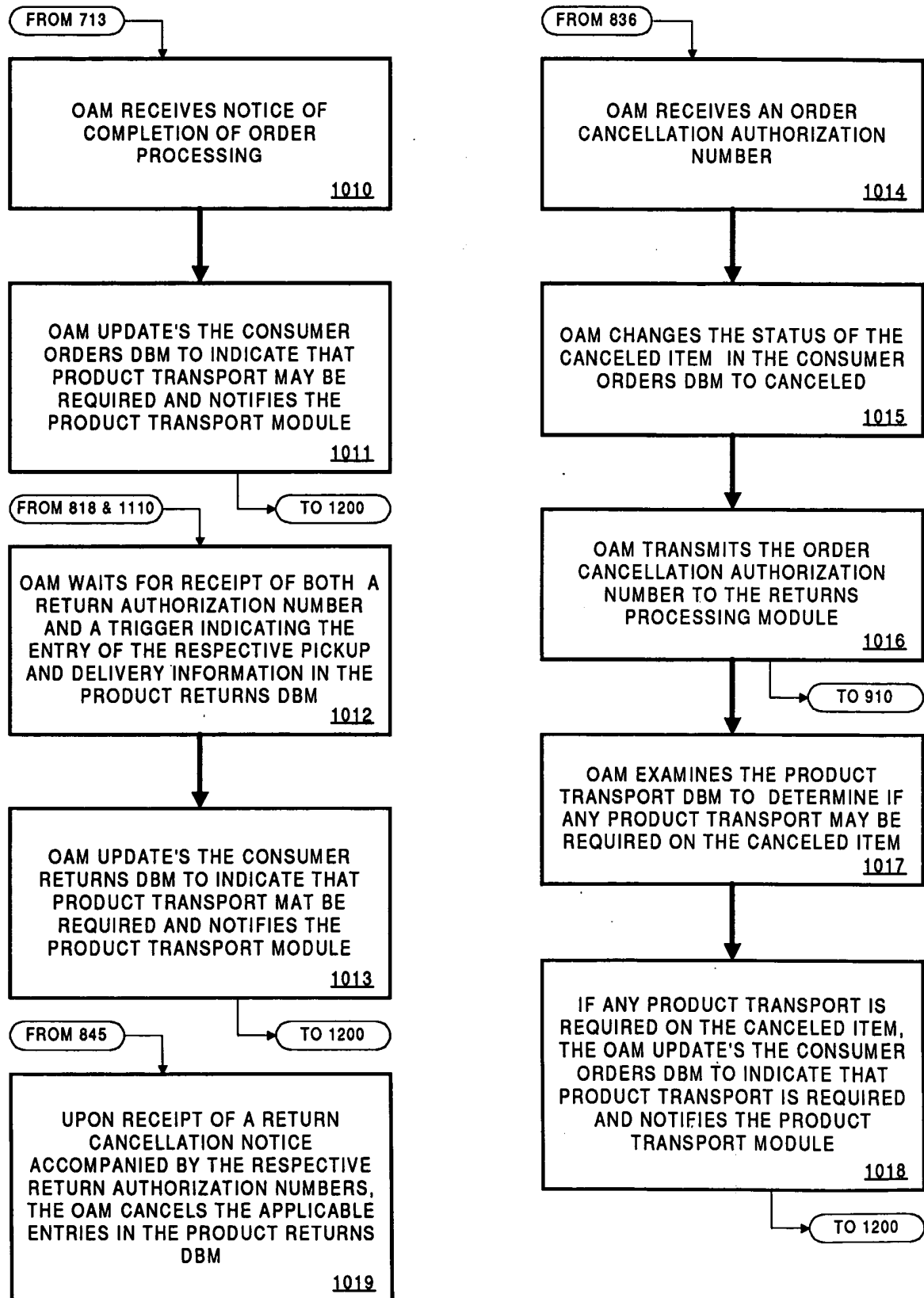


FIG. 10B

## ORDER AGGREGATION MODULE (OAM) FLOW CHARTS

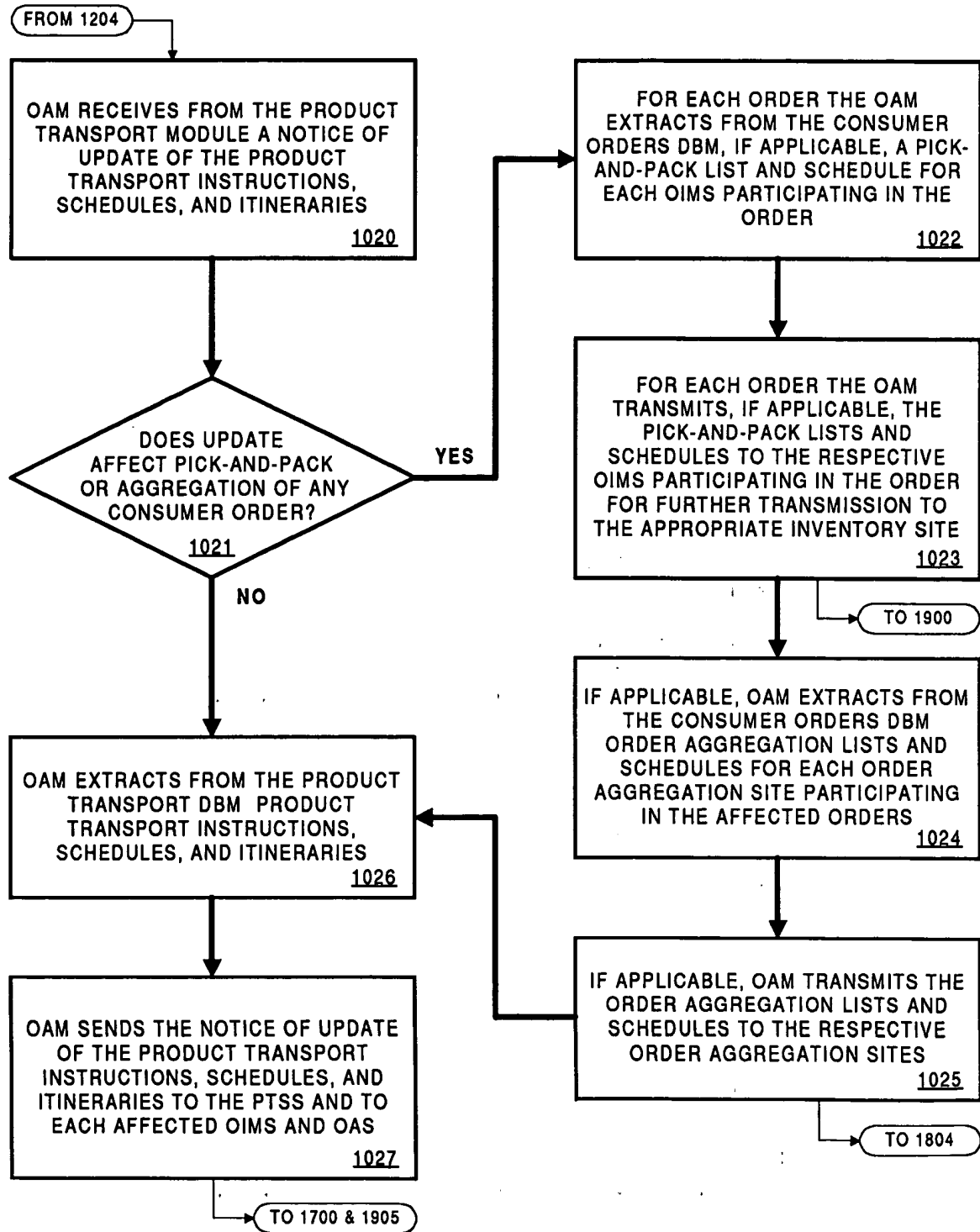


FIG. 10C

## ORDER AGGREGATION MODULE (OAM) FLOW CHARTS

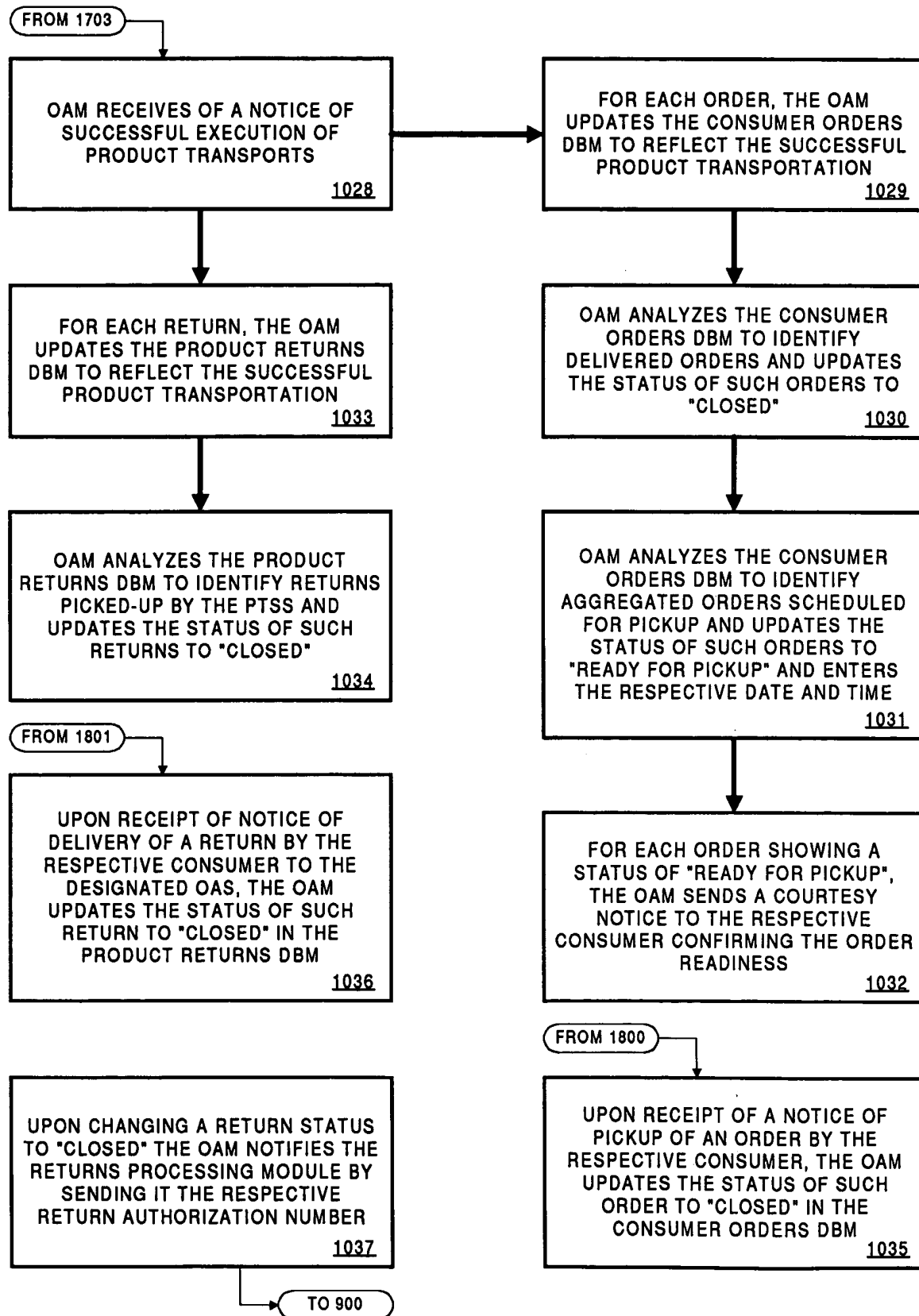


FIG. 10D

## ORDER AGGREGATION MODULE (OAM) FLOW CHARTS

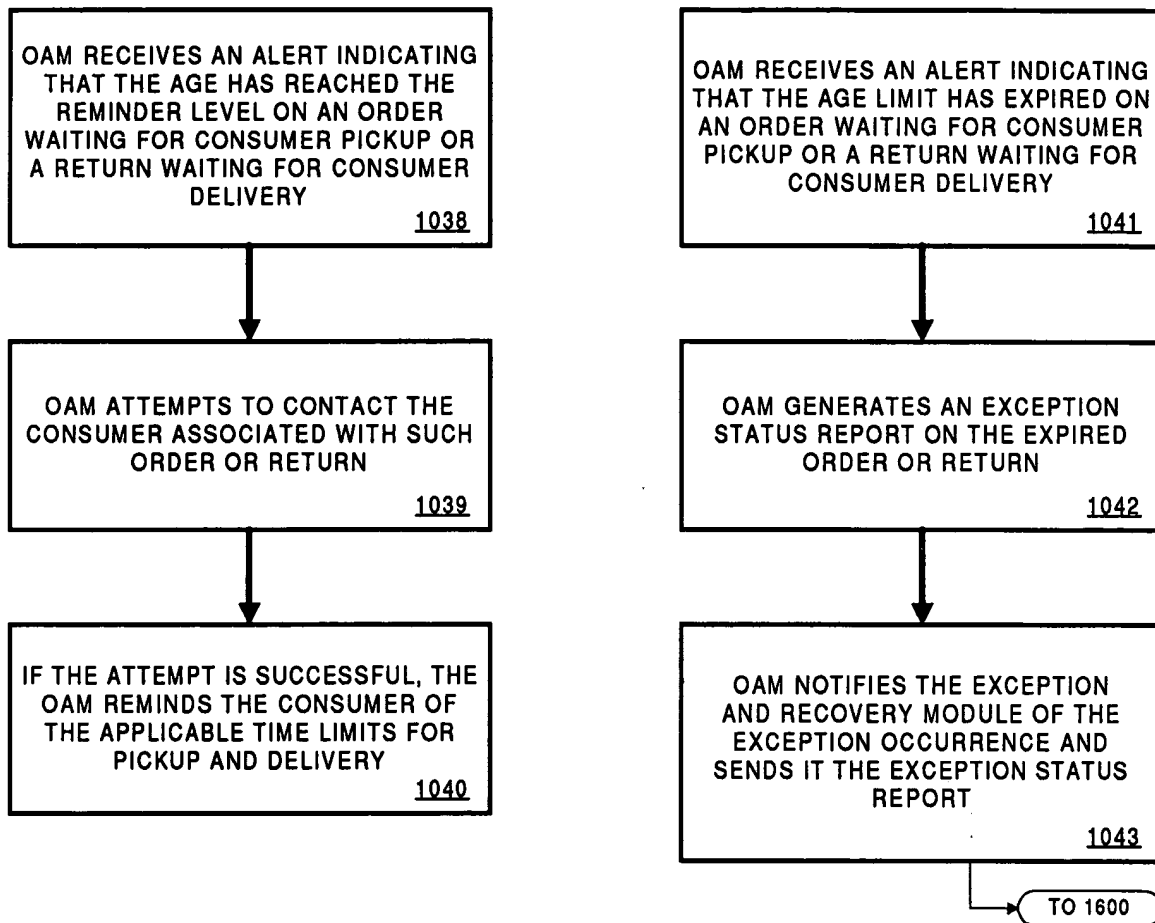


FIG. 10E

## PICKUP AND DELIVERY INFORMATION MODULE (PDIM) FLOW CHART

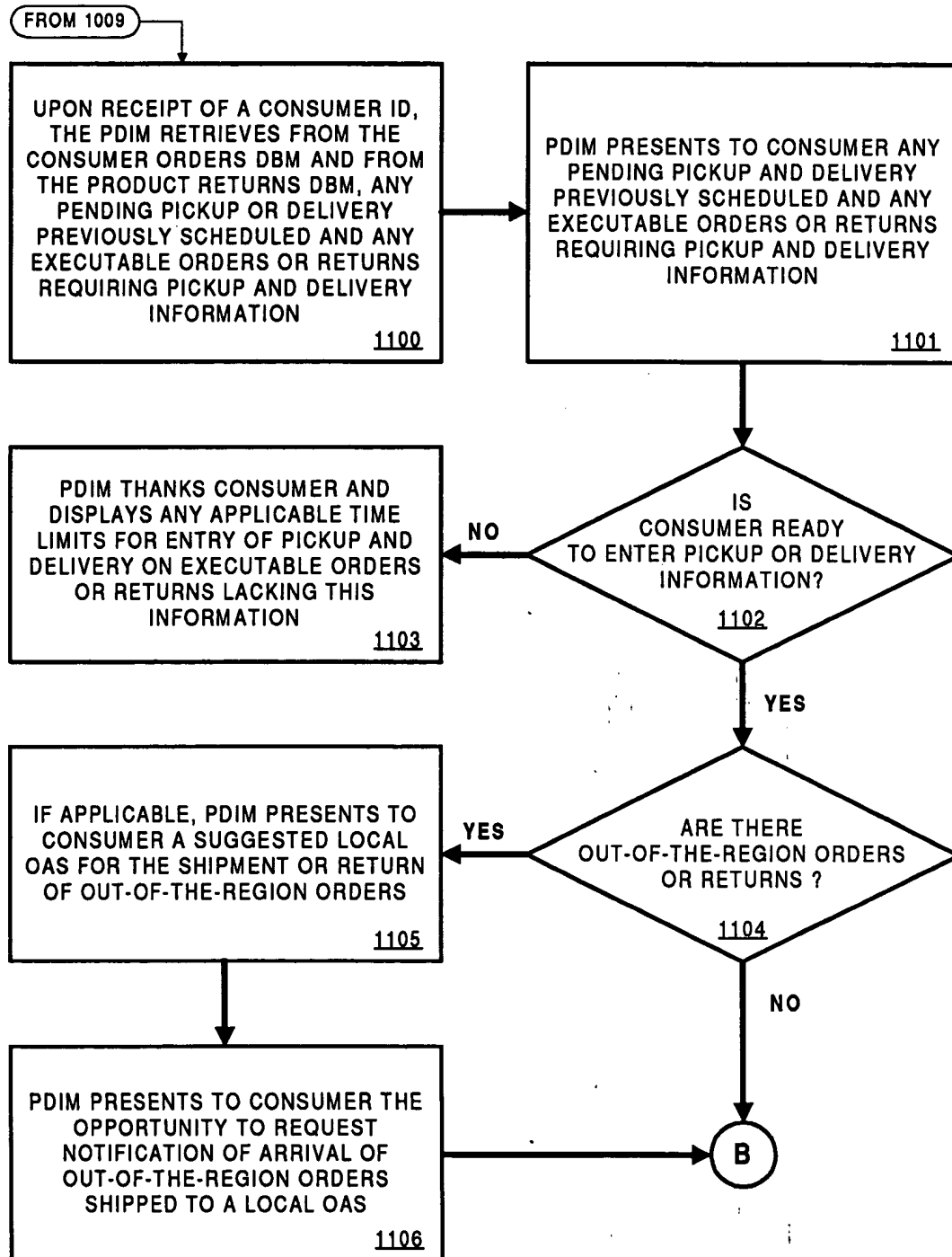


FIG. 11A



## PICKUP AND DELIVERY INFORMATION MODULE (PDIM) FLOW CHART

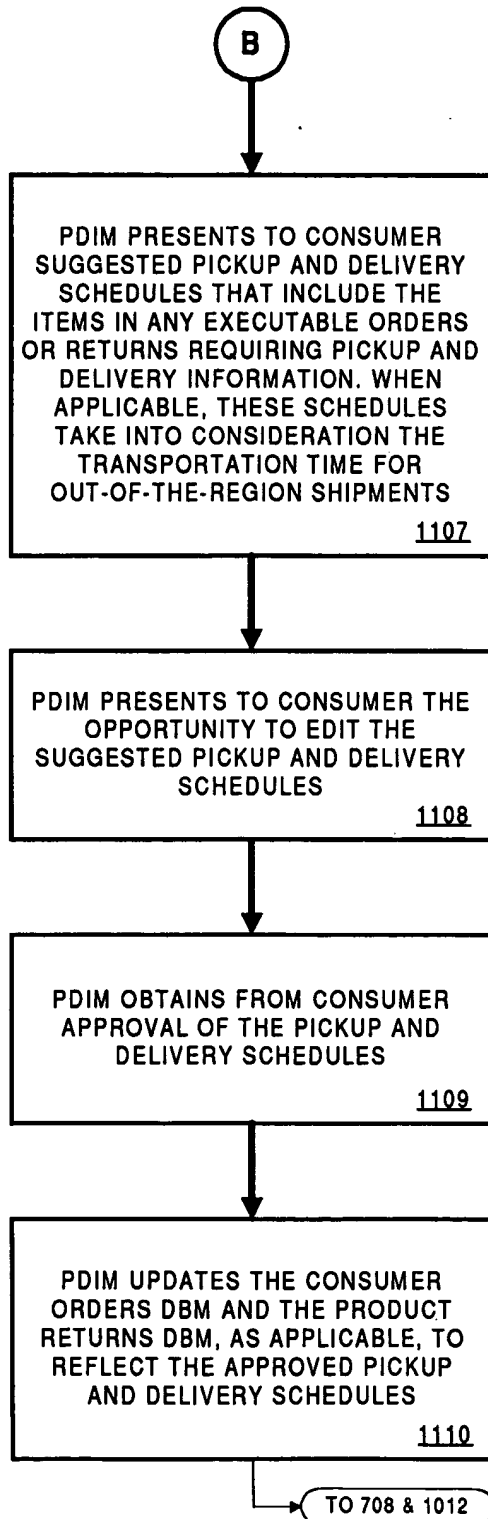


FIG. 11B

## PRODUCT TRANSPORT MODULE (PTM) FLOW CHART

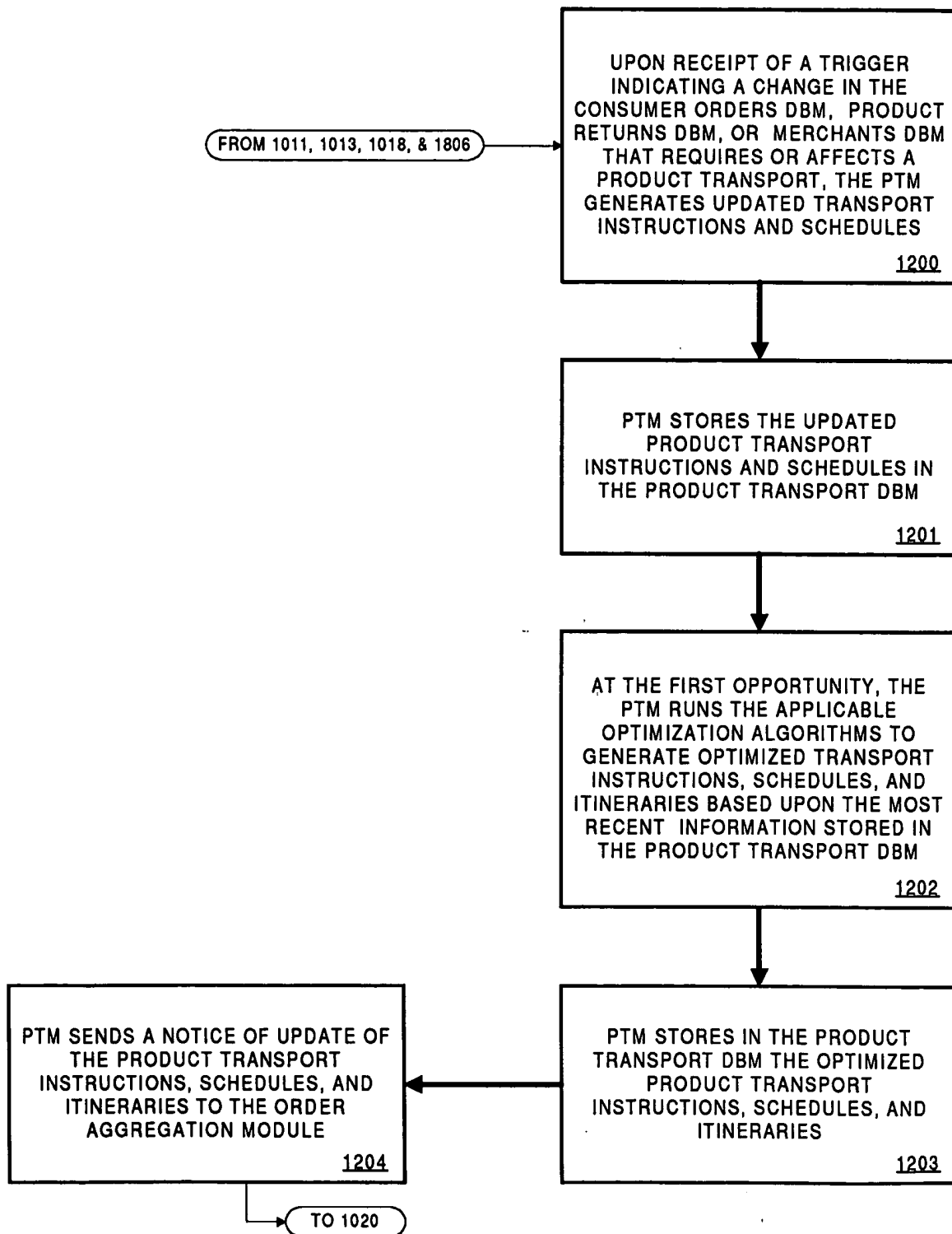


FIG. 12

# CONFIGURATION DIAGRAM OF CUSTOMER SERVICE MODULE (CSM)

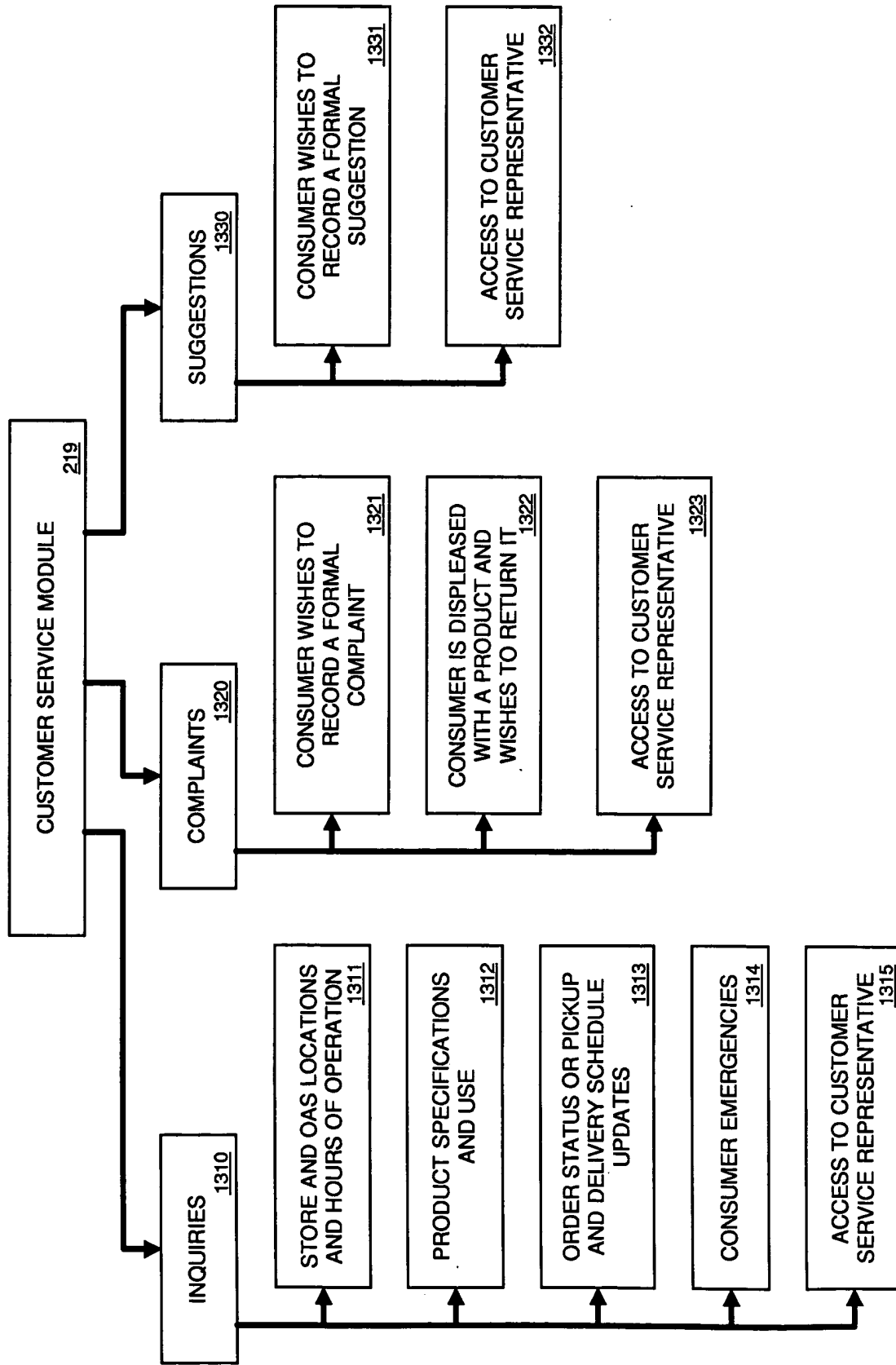


FIG. 13A

## SCHEDULING PROCESS FOR CUSTOMER SERVICE MODULE (CSM)

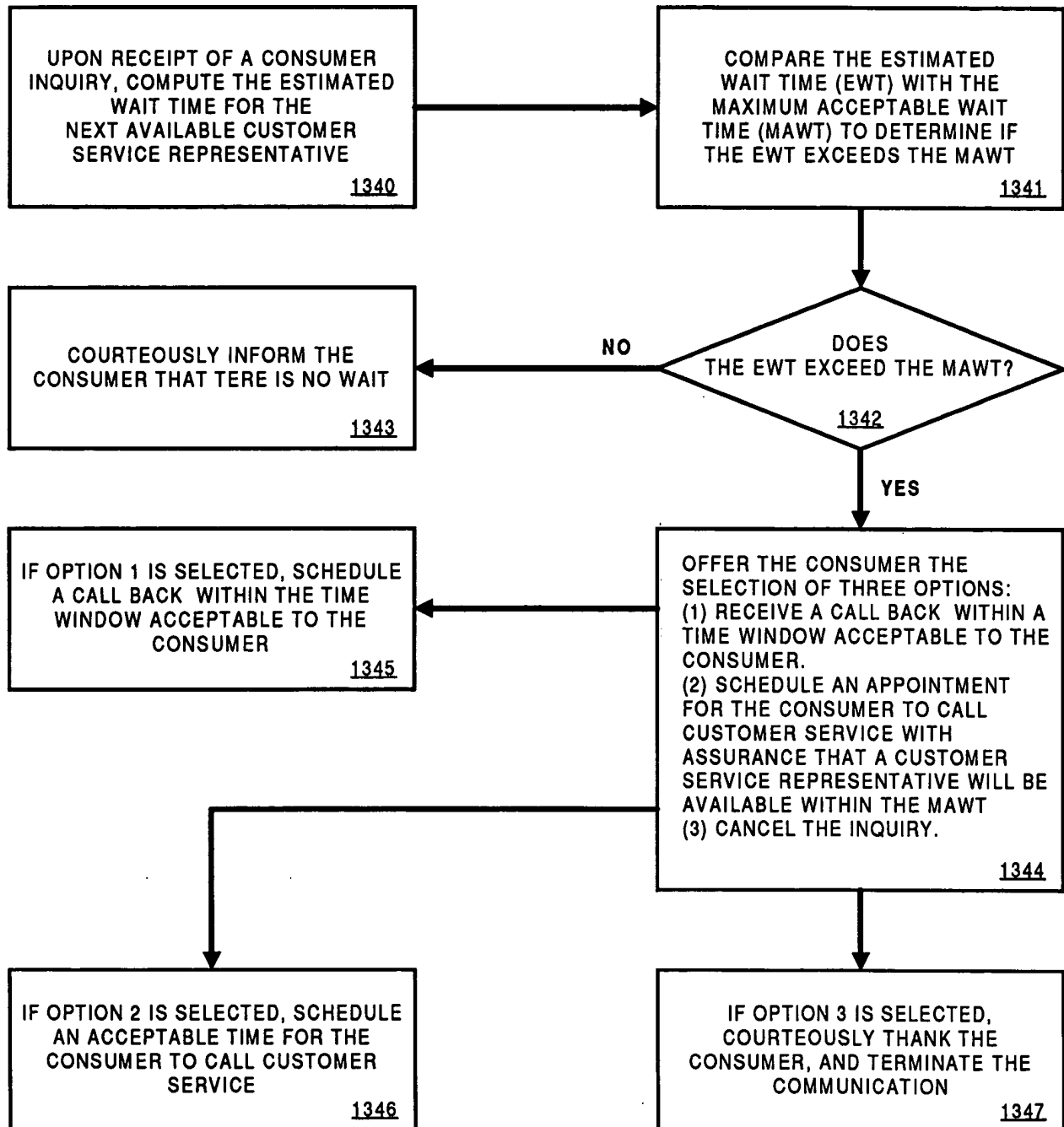


FIG. 13B

## CONFIGURATION DIAGRAM OF STATISTICAL ANALYSIS MODULE (SAM)

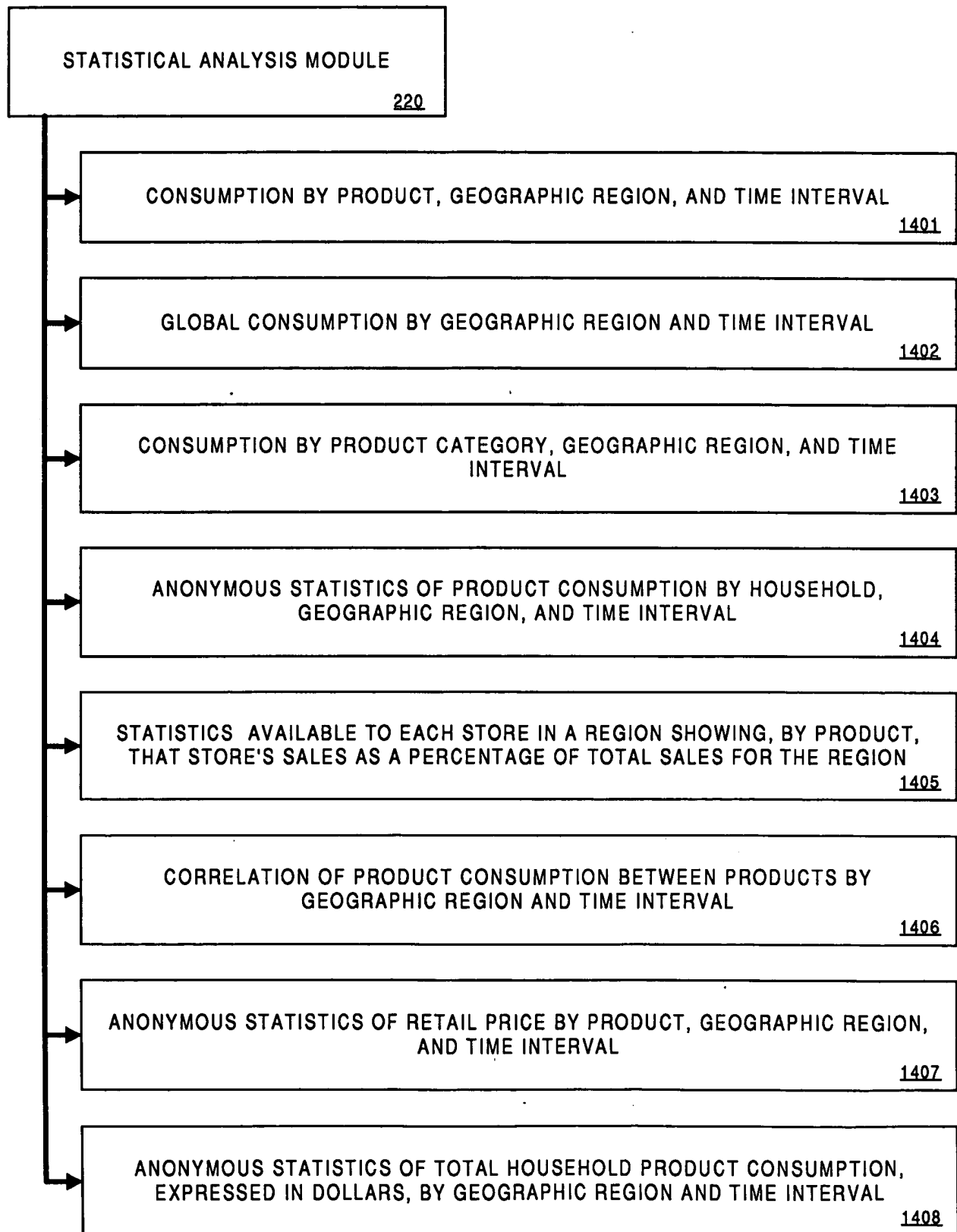


FIG. 14

## CONFIGURATION DIAGRAM OF ACCOUNTING & BILLING MODULE (ABM)

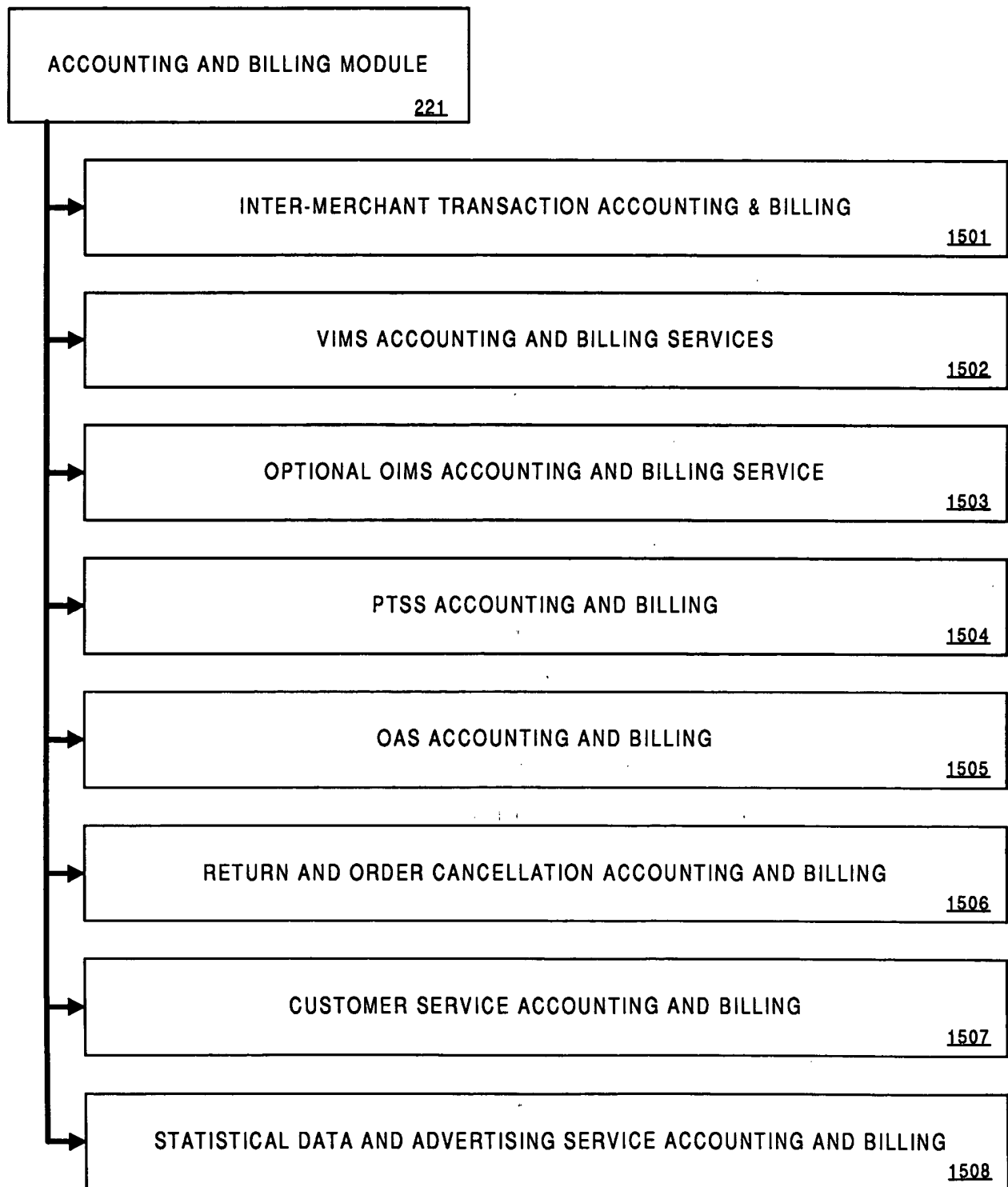


FIG. 15

## EXCEPTION AND RECOVERY MODULE (ERM) FLOW CHARTS

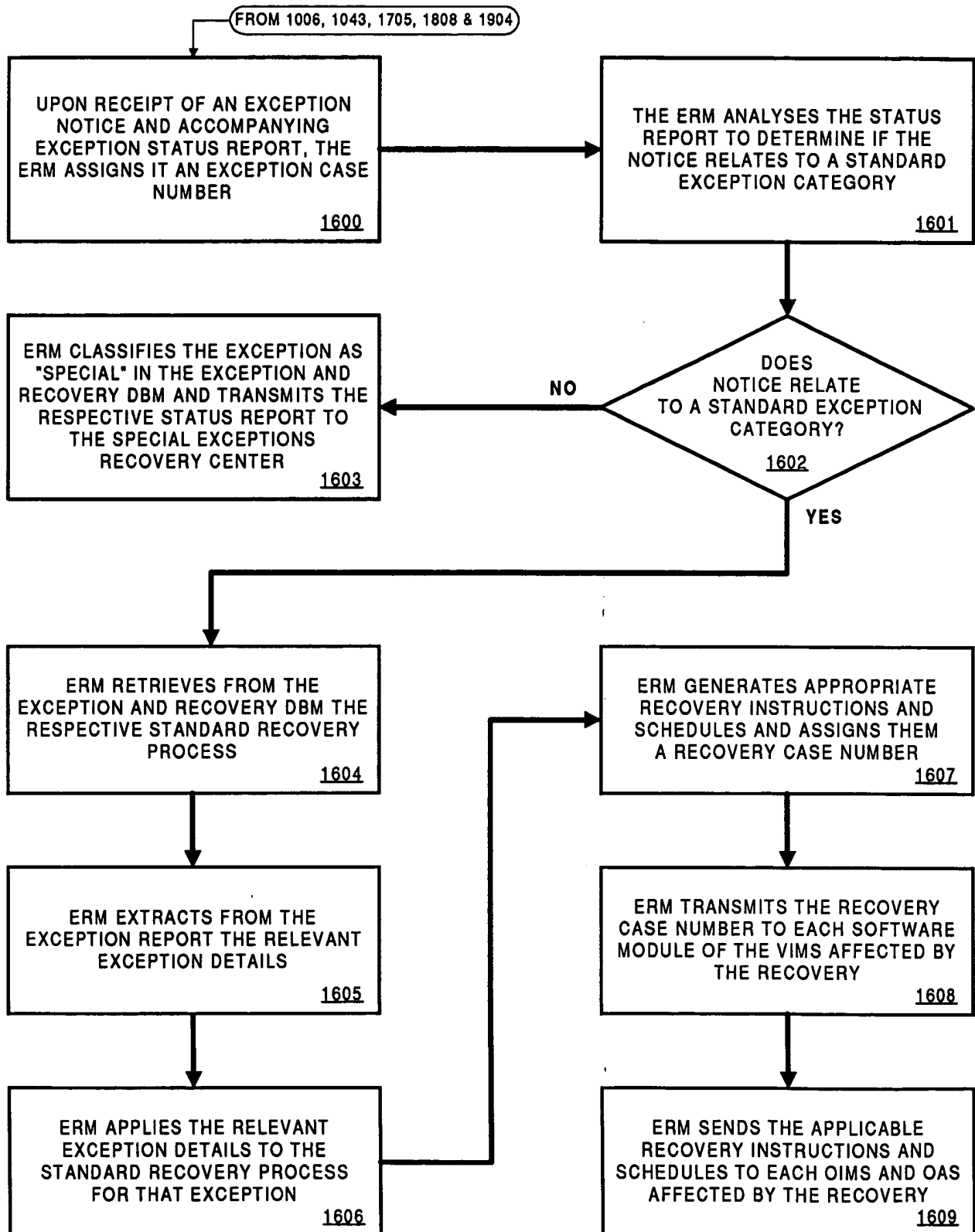


FIG. 16A

## EXCEPTION AND RECOVERY MODULE (ERM) FLOW CHARTS

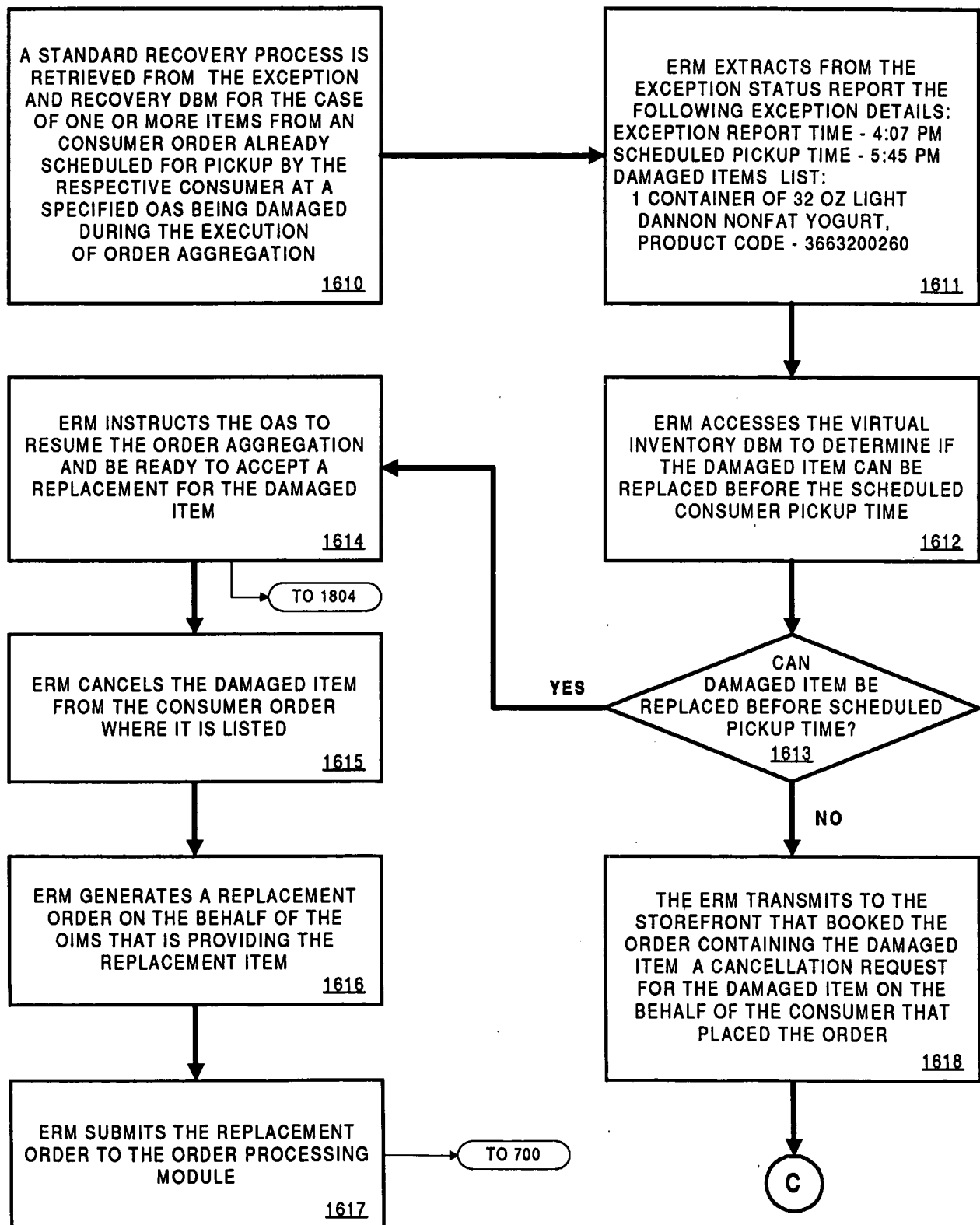


FIG. 16B



## EXCEPTION AND RECOVERY MODULE (ERM) FLOW CHARTS

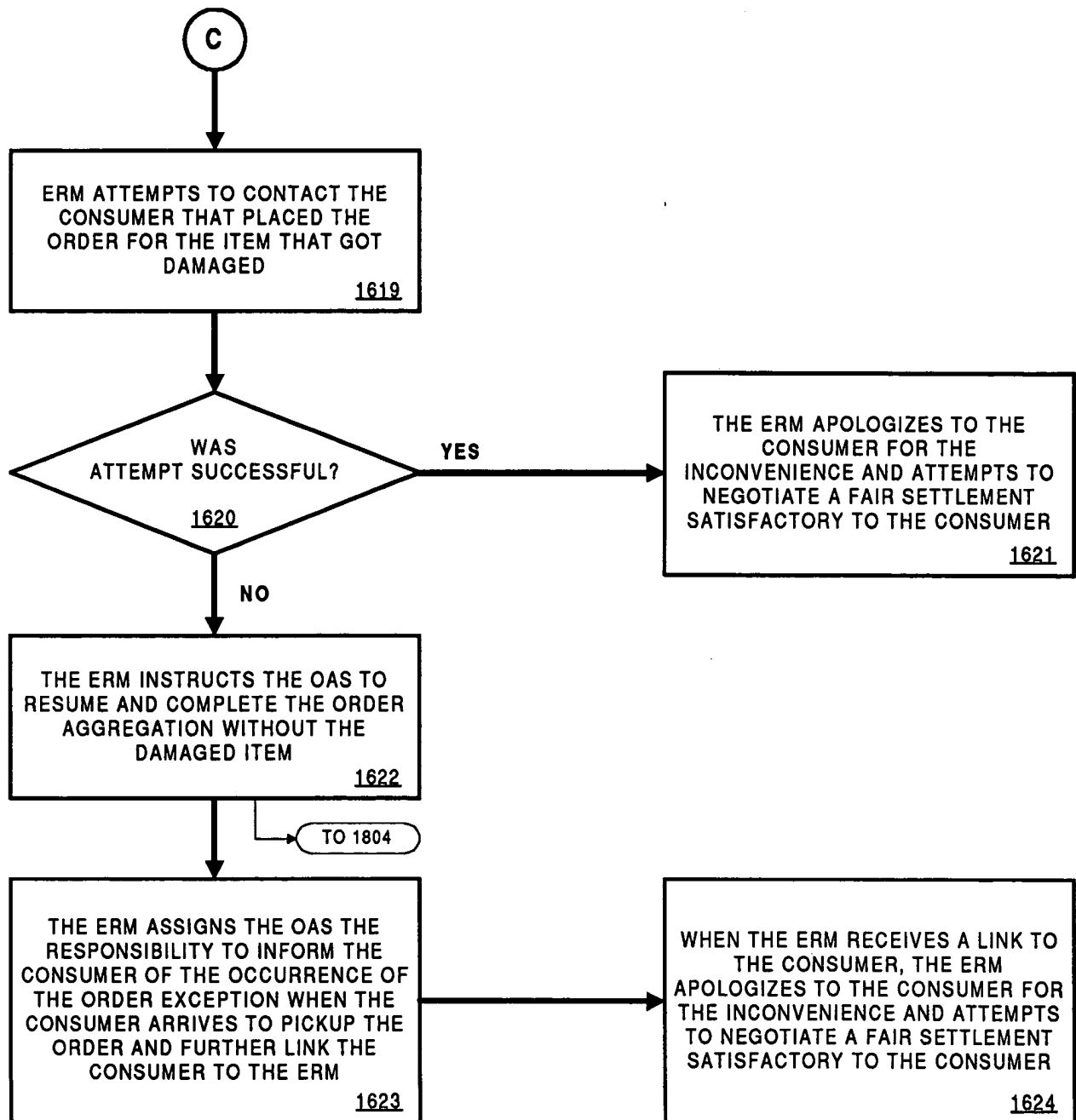


FIG. 16C

## PRODUCT TRANSPORT SUPPORT SERVICE (PTSS) FLOW CHART

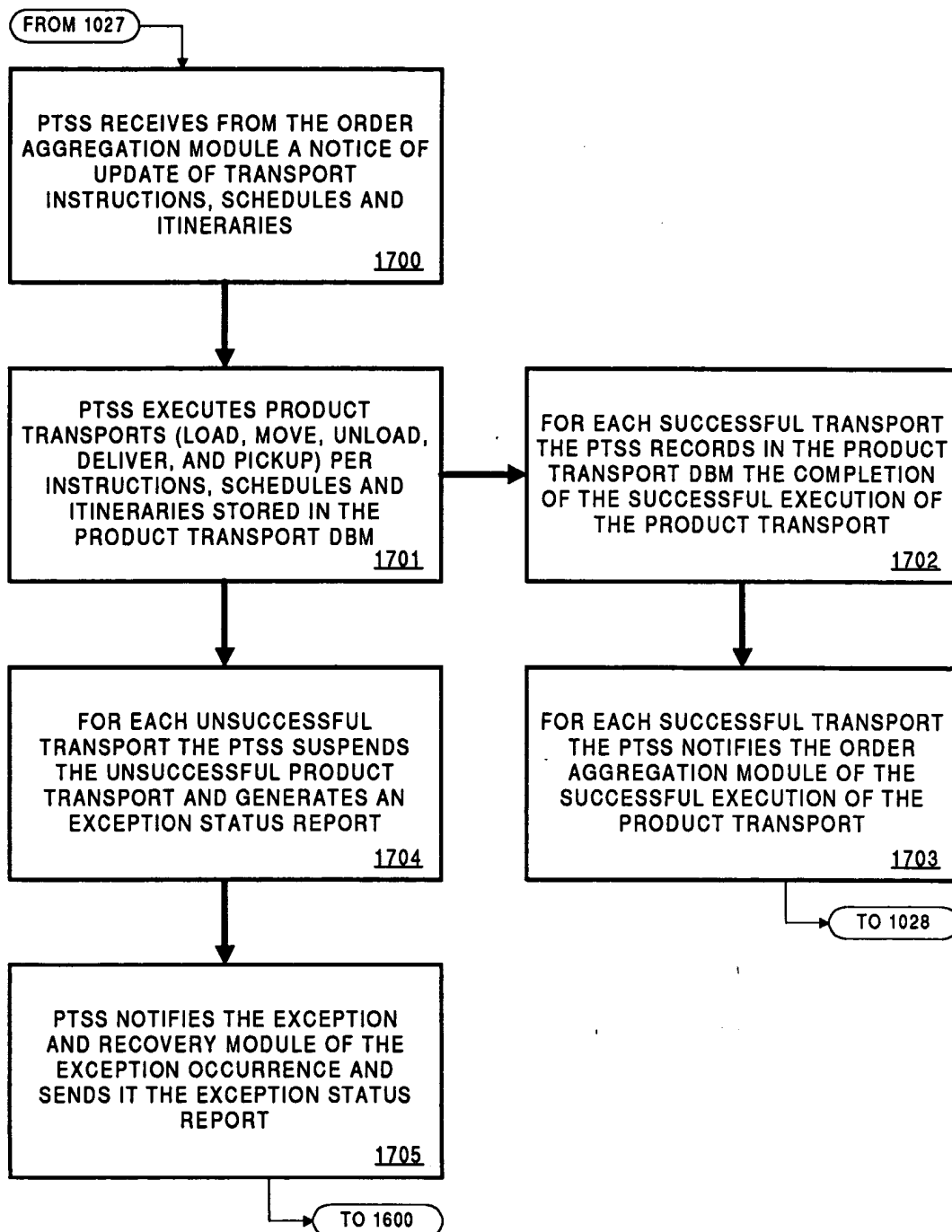


FIG. 17

## ORDER AGGREGATION SITE (OAS) FLOW CHARTS

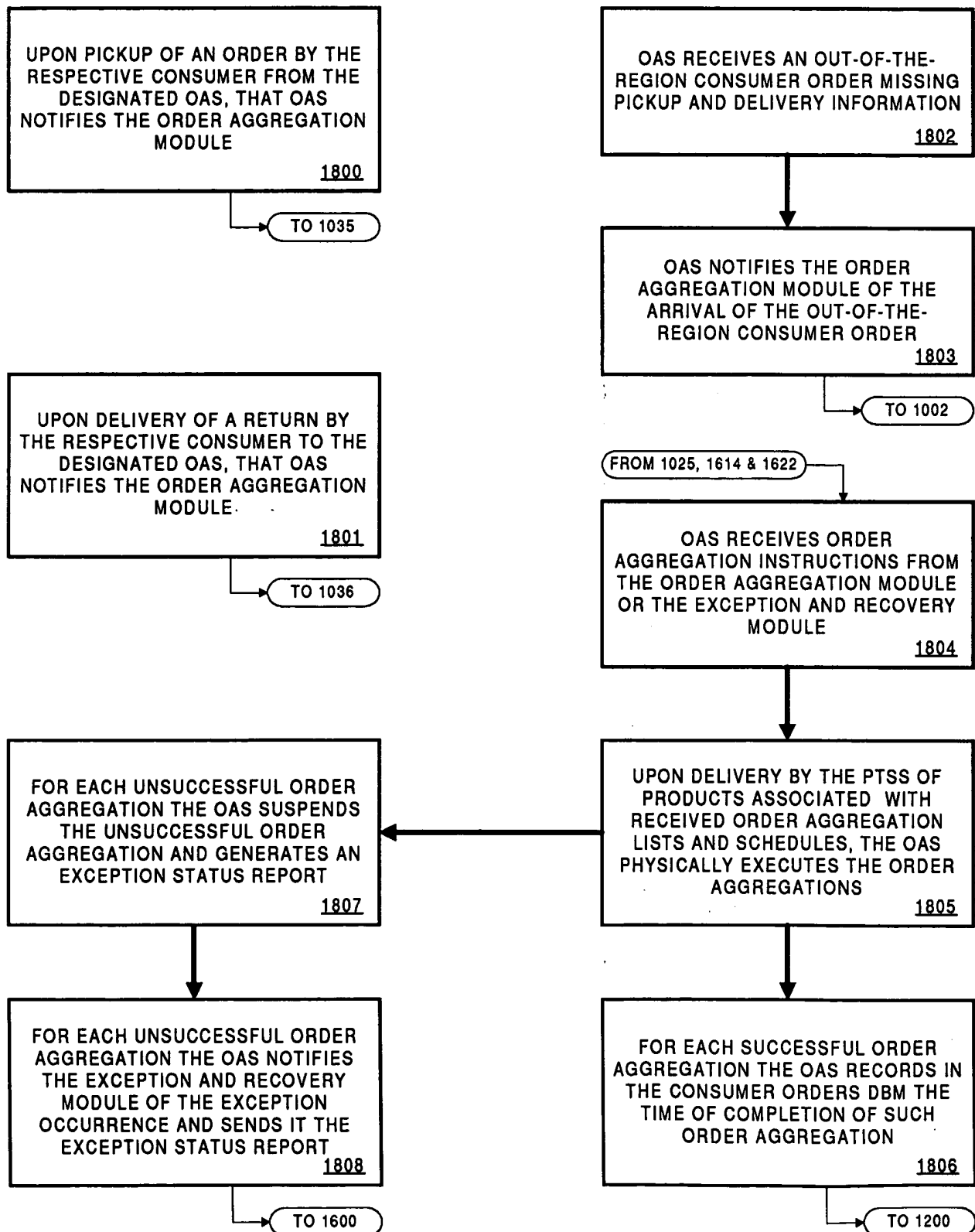


FIG. 18

## ORDER AND INVENTORY MANAGEMENT SYSTEM (OIMS) FLOW CHARTS

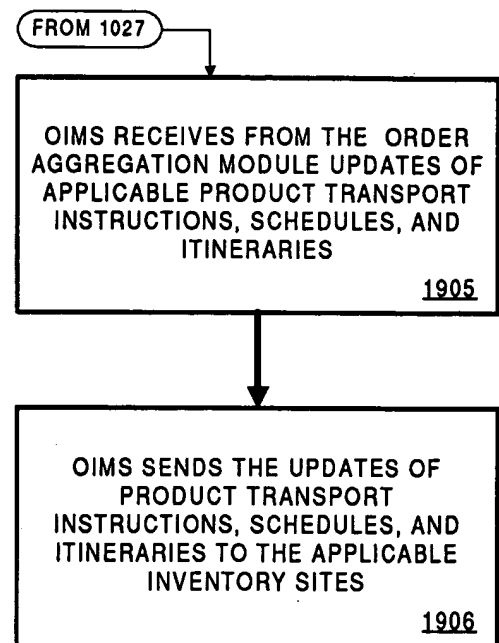
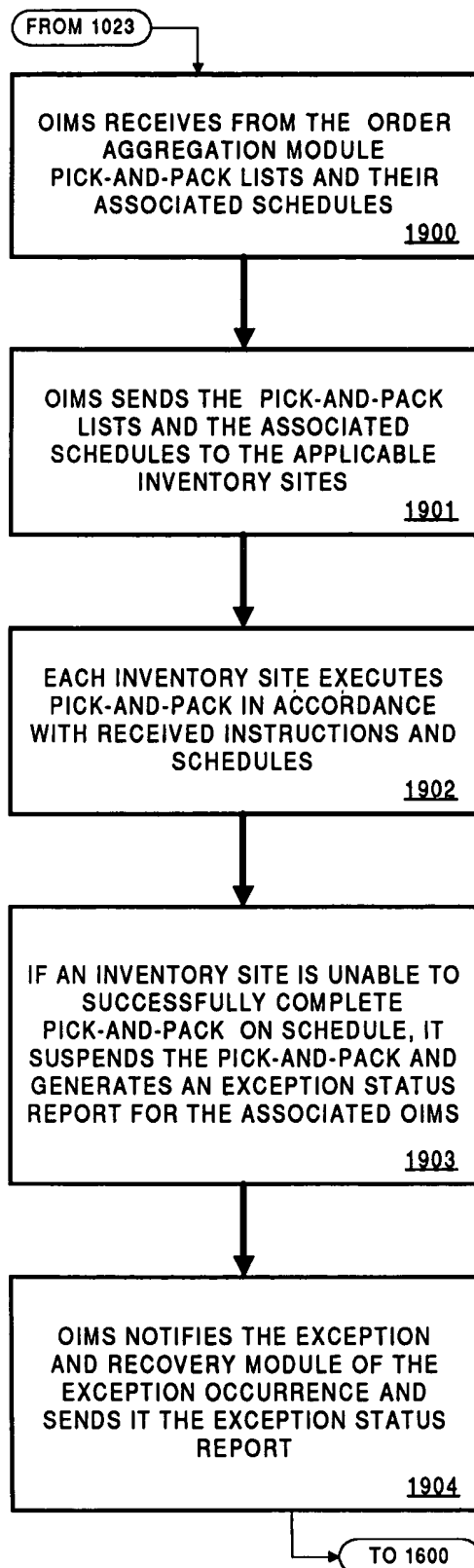


FIG. 19A

## ORDER AND INVENTORY MANAGEMENT SYSTEM (OIMS) FLOW CHARTS

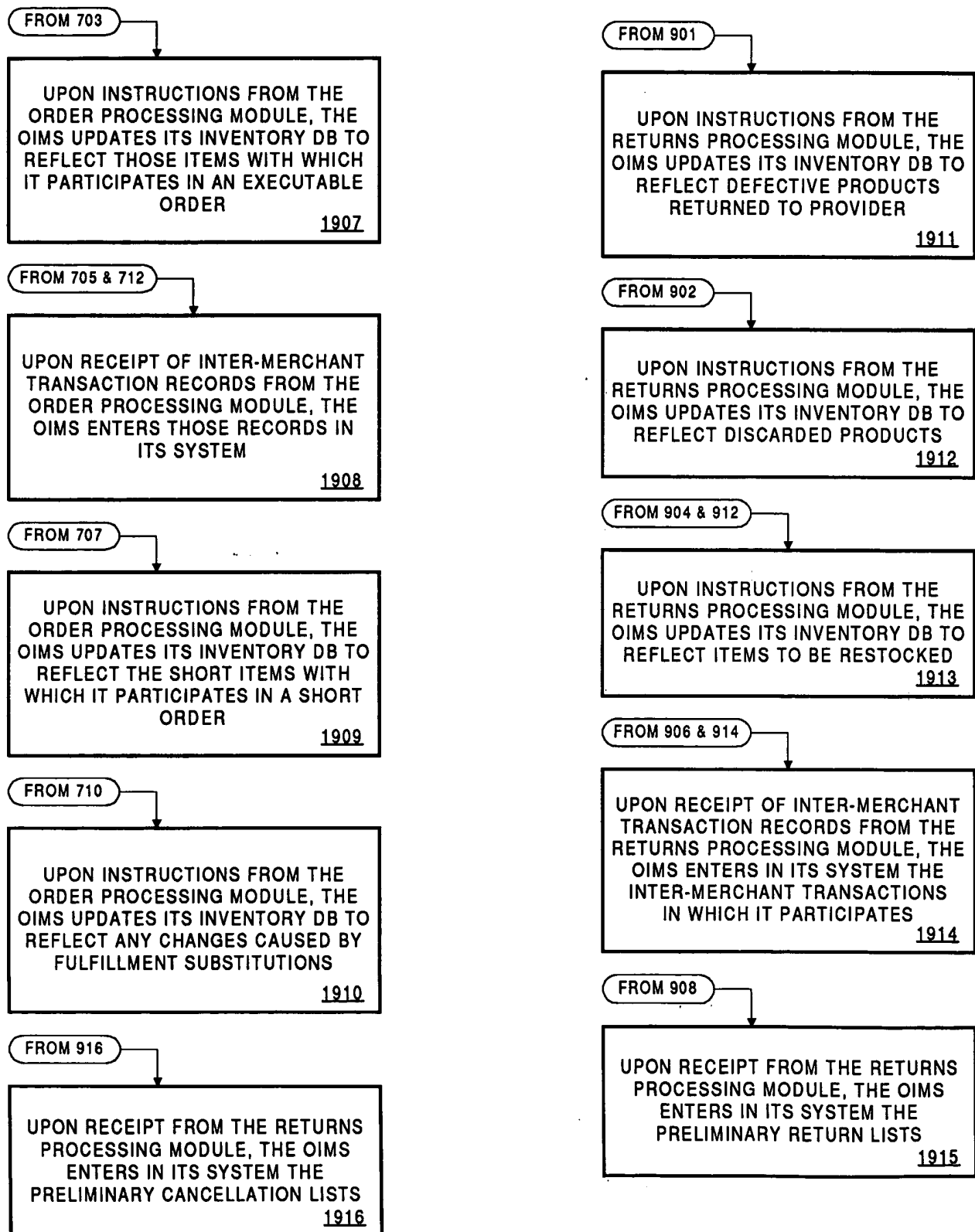


FIG. 19B

# DIAGRAM OF EXEMPLARY SYSTEM IMPLEMENTATION

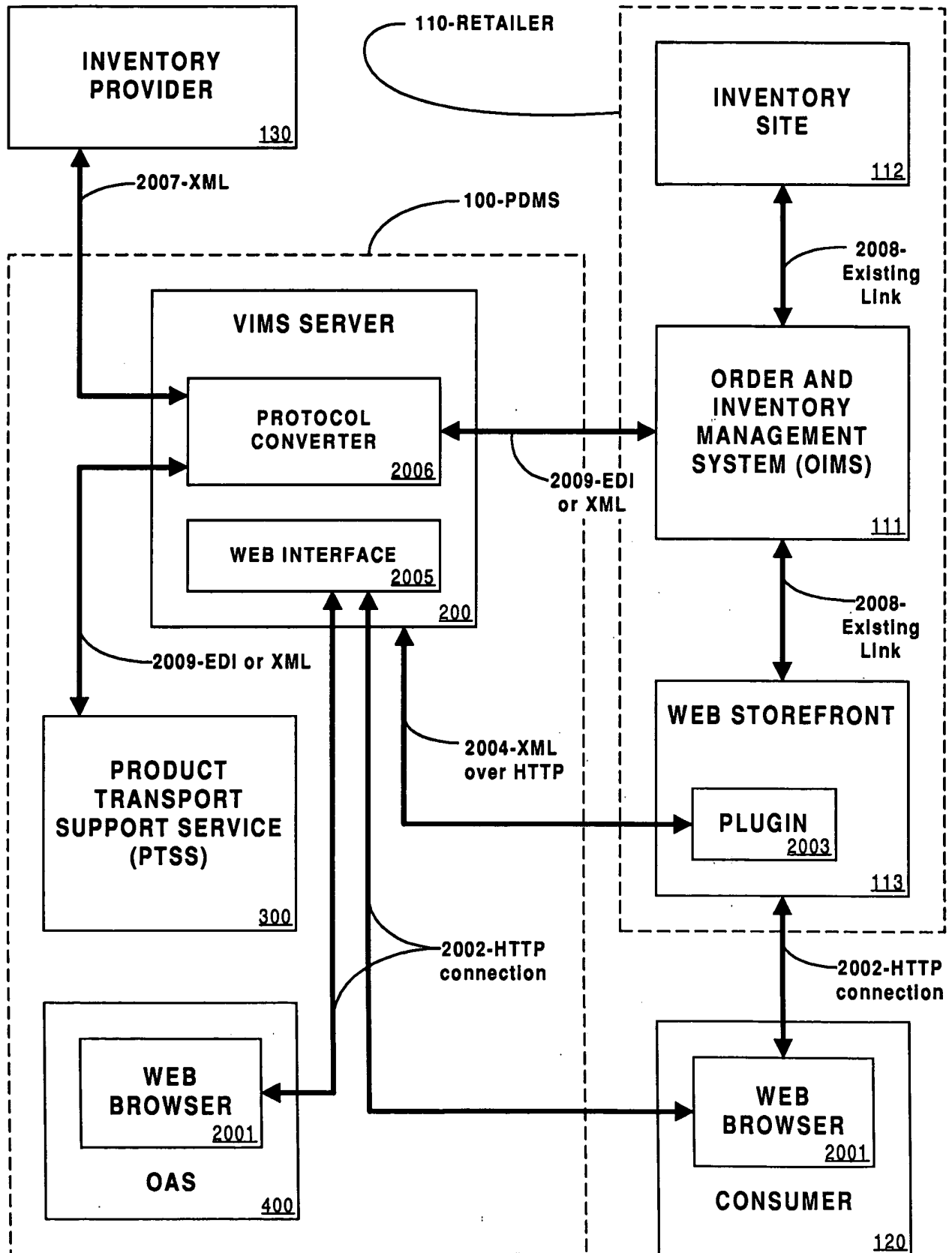


FIG. 20

## COLLABORATIVE INVENTORY SHARING METHOD

### 2100 - METHOD

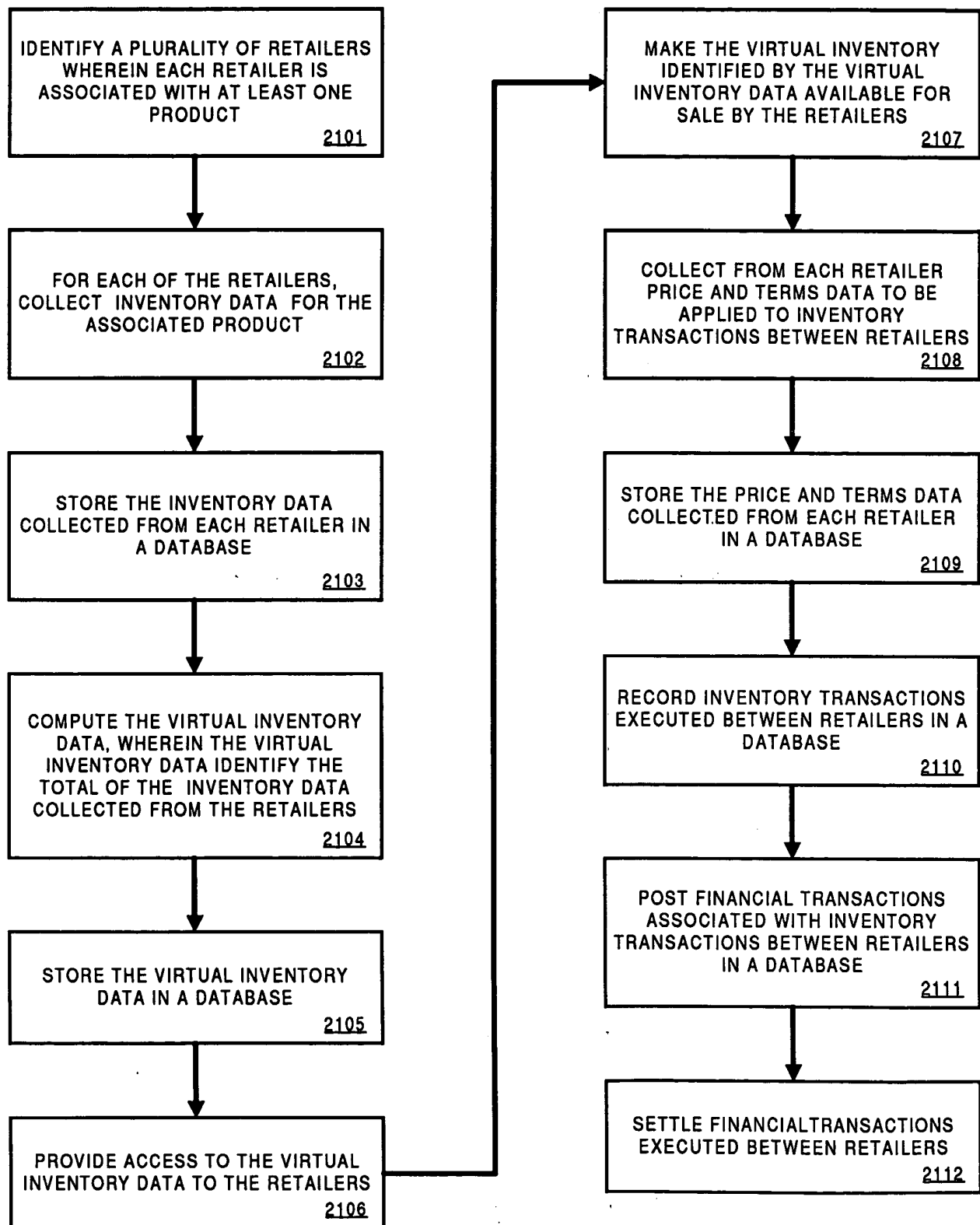


FIG. 21

## ORDER AGGREGATION PROCESSES

### 2200 - METHOD

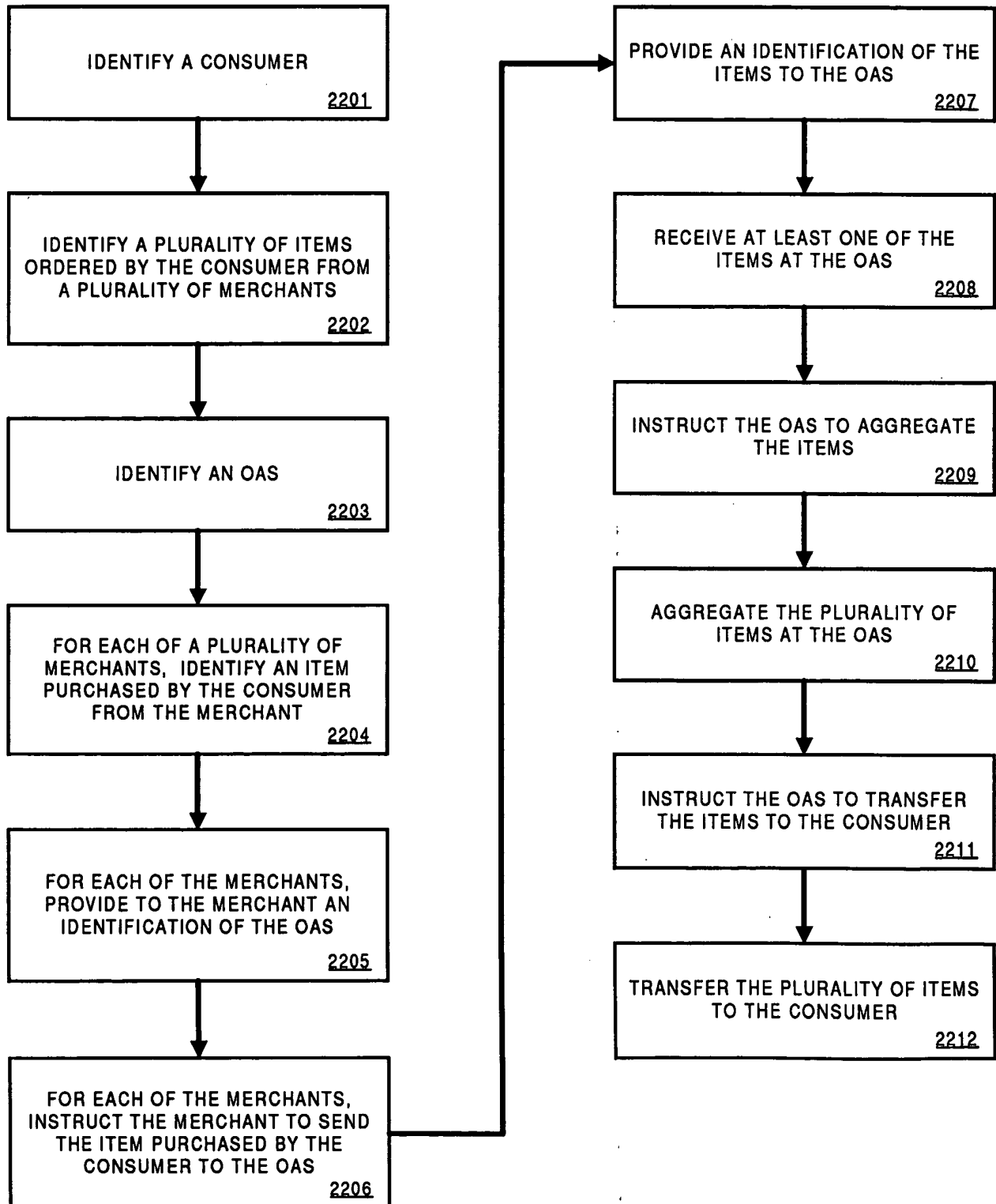
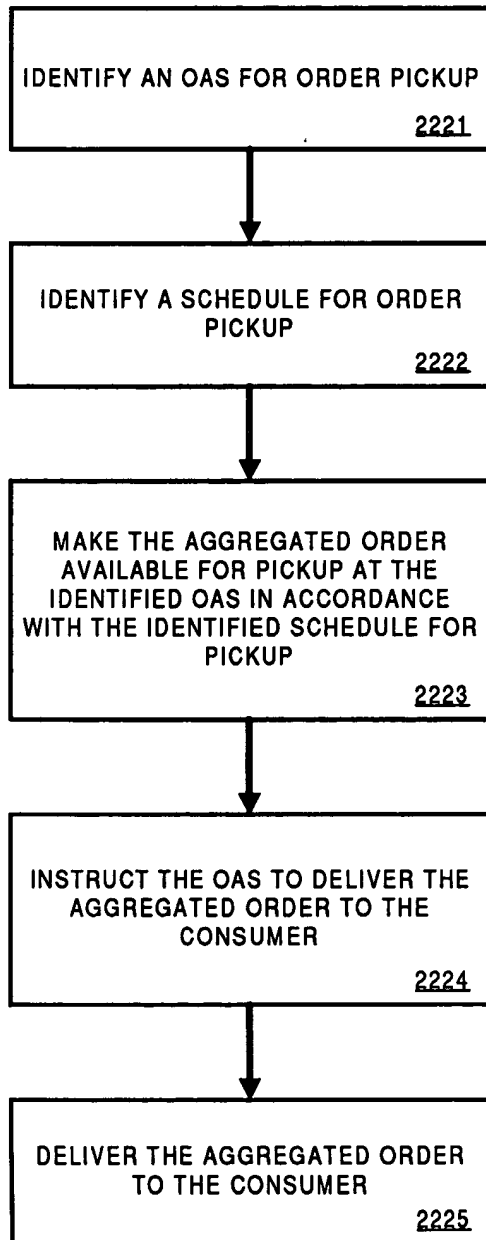


FIG. 22A



## ORDER AGGREGATION PROCESSES

### 2220 - METHOD



### 2230 - METHOD

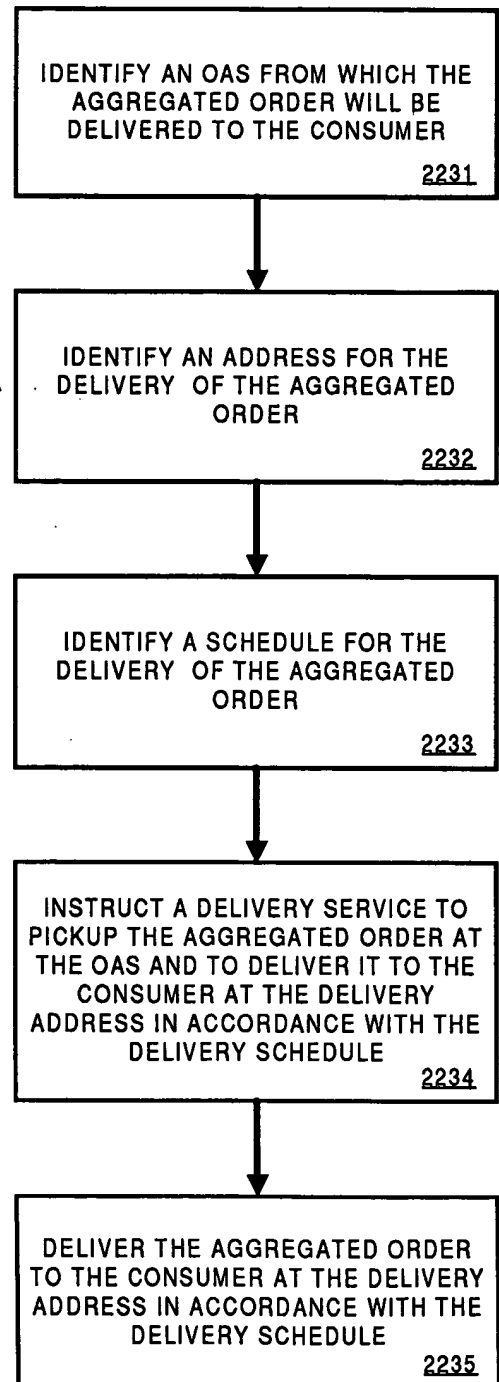
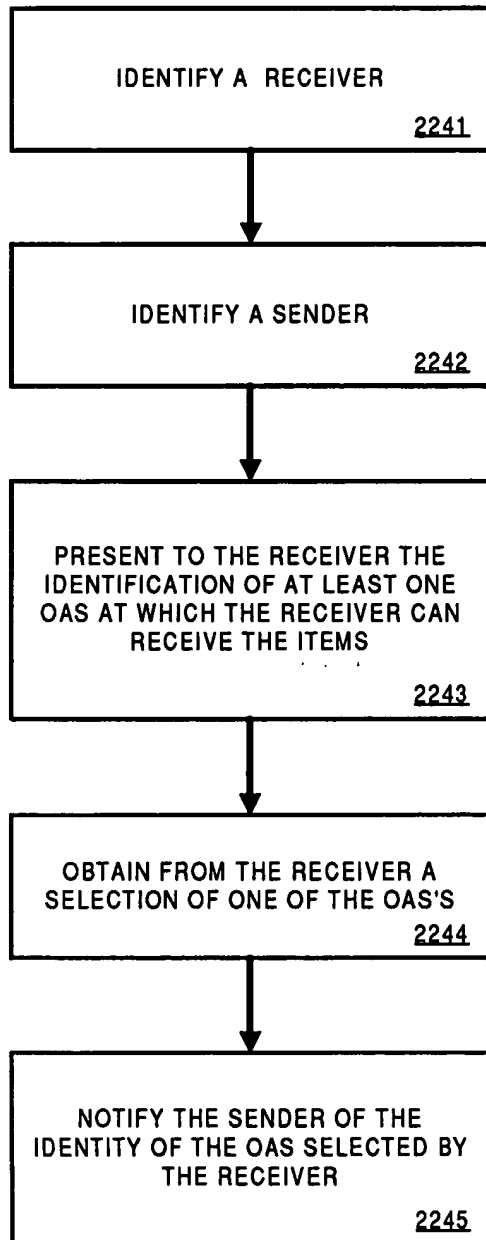


FIG. 22B

## ORDER AGGREGATION PROCESSES

### 2240 - METHOD



### 2250 - METHOD

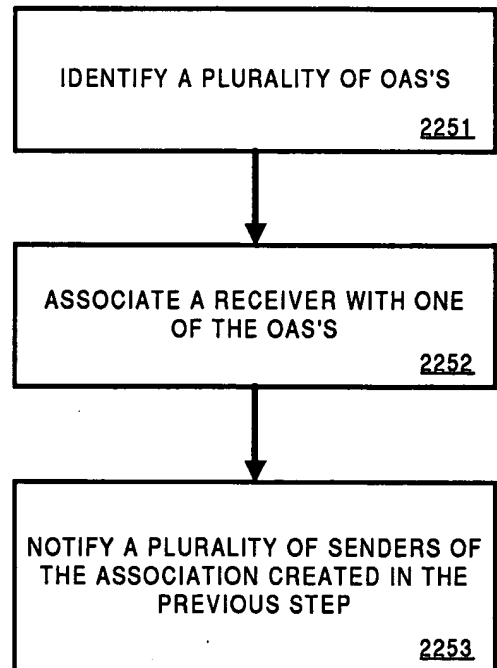


FIG. 22C

## ORDER AGGREGATION METHOD

### 2300 - METHOD

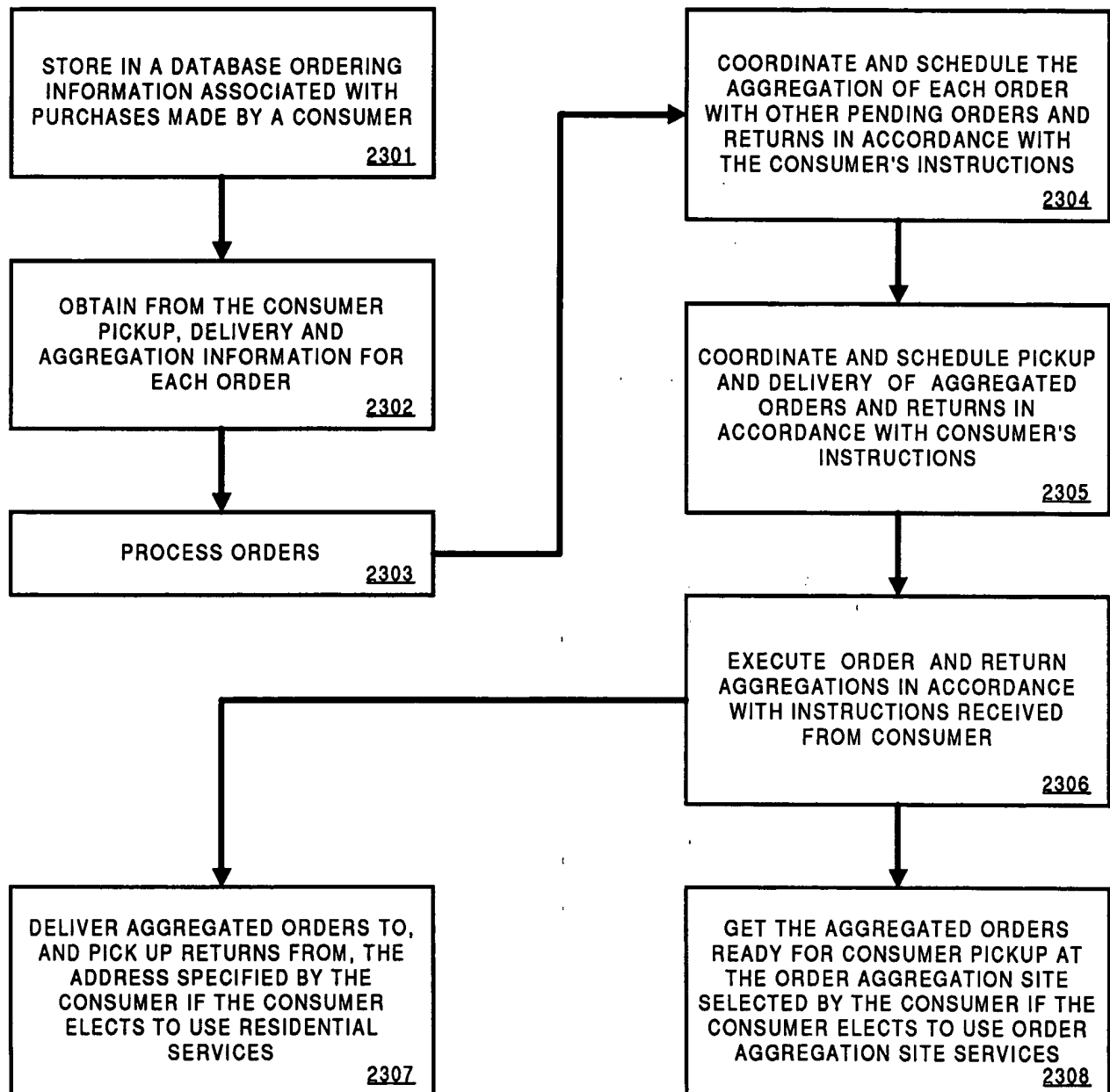


FIG. 23

## RETURN AGGREGATION METHOD

### 2400 - METHOD

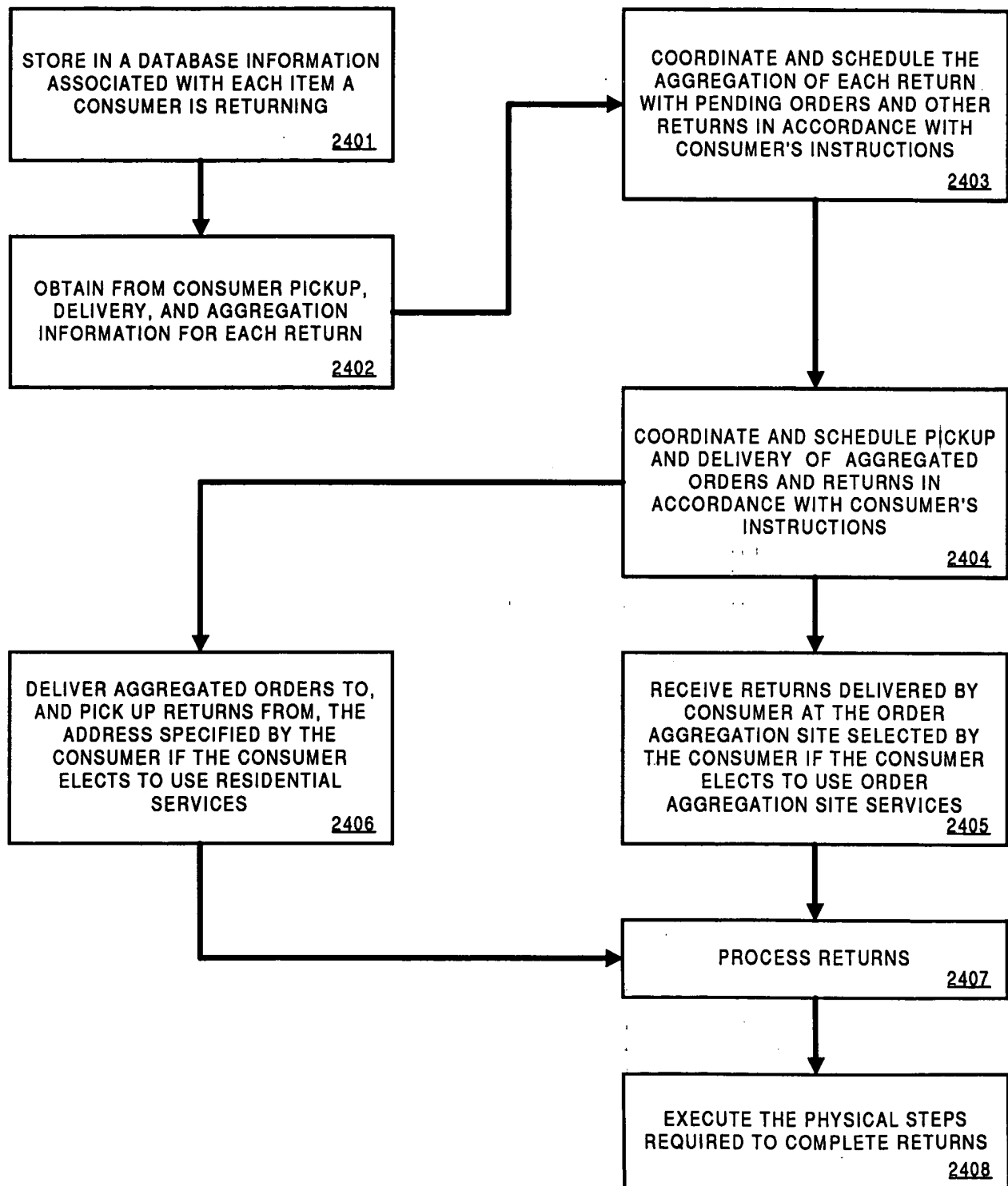


FIG. 24

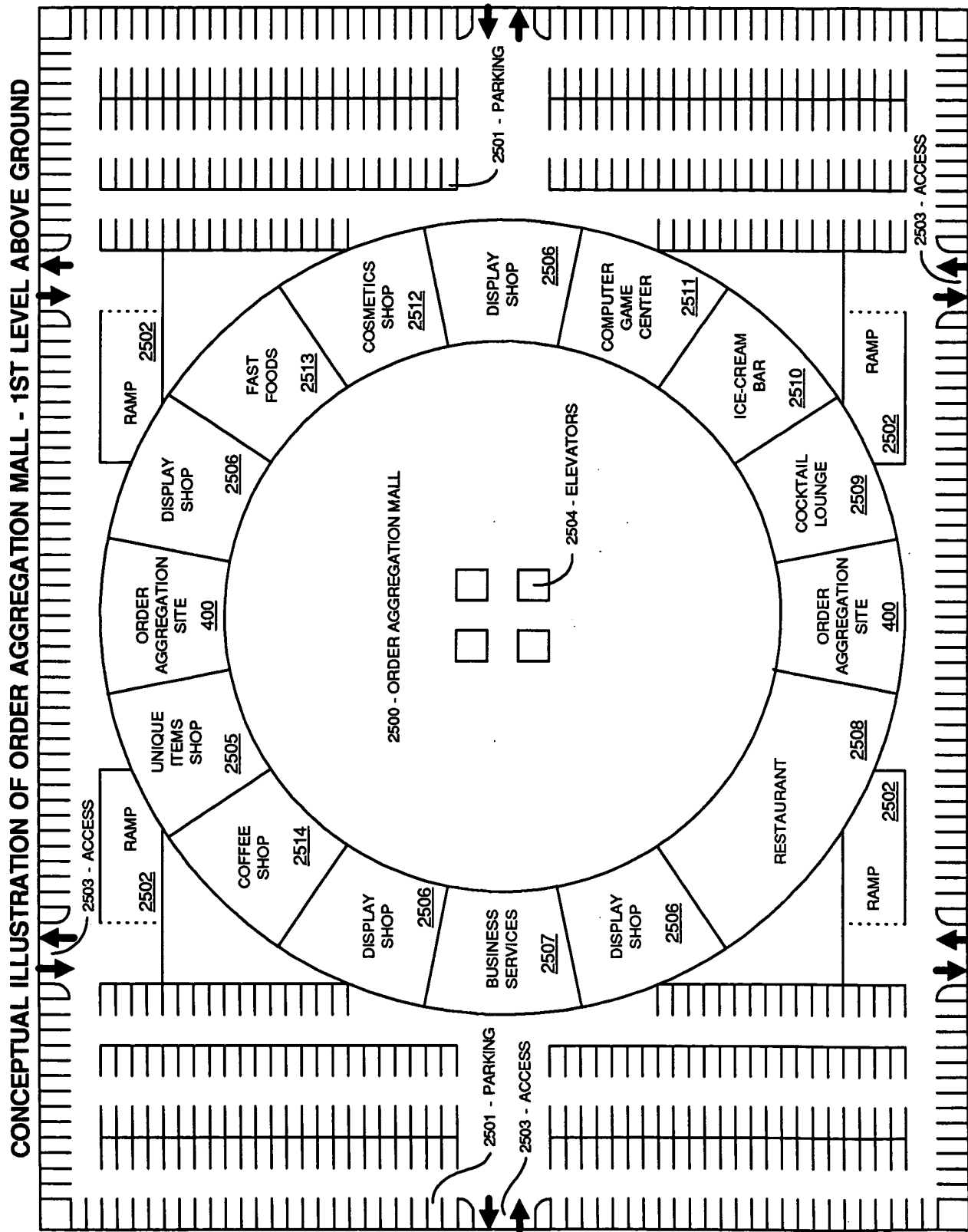


FIG. 25A

CONCEPTUAL ILLUSTRATION OF ORDER AGGREGATION MALL - 2ND LEVEL ABOVE GROUND

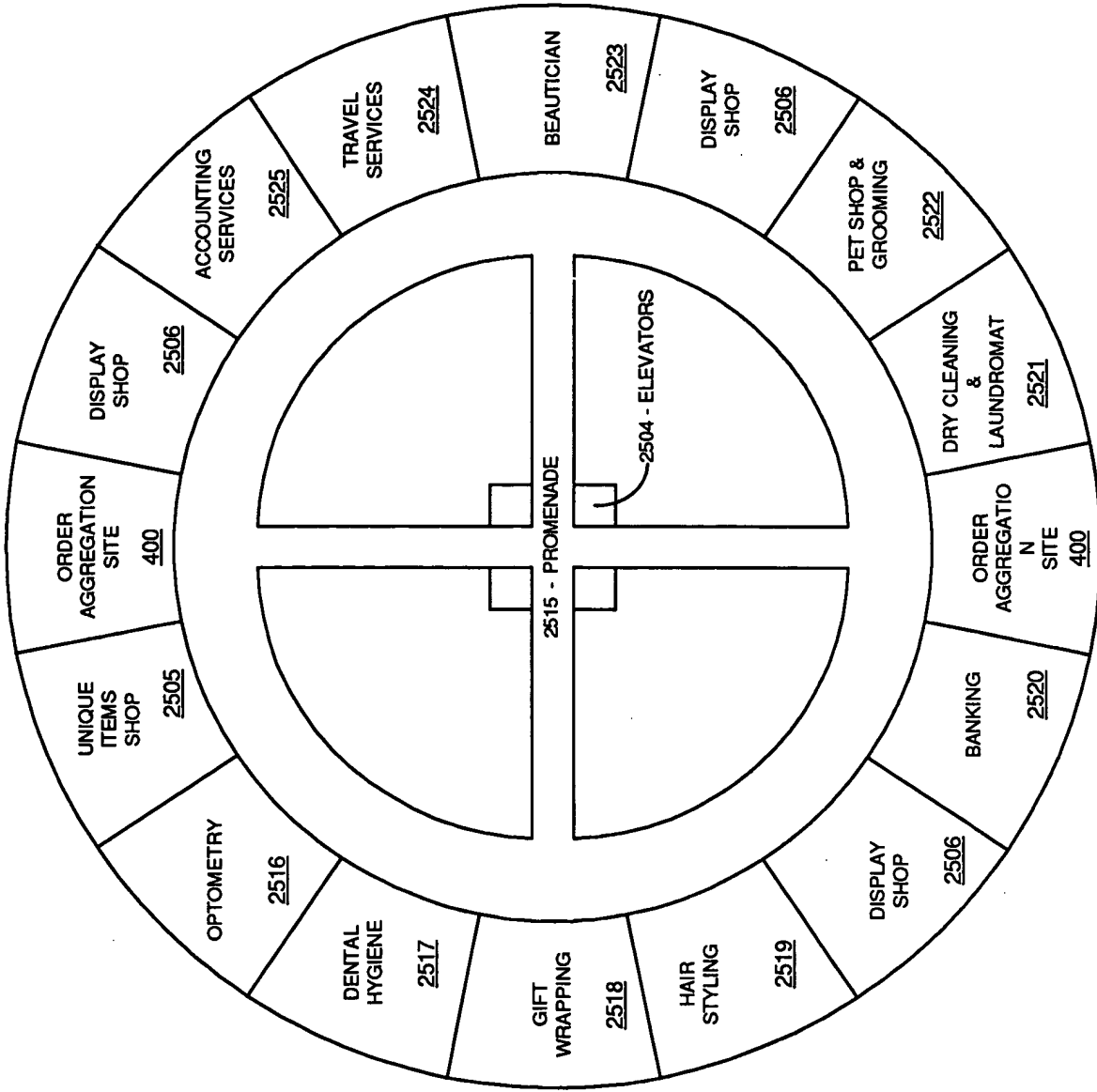


FIG. 25B

CONCEPTUAL ILLUSTRATION OF ORDER AGGREGATION MALL - 3RD LEVEL ABOVE GROUND

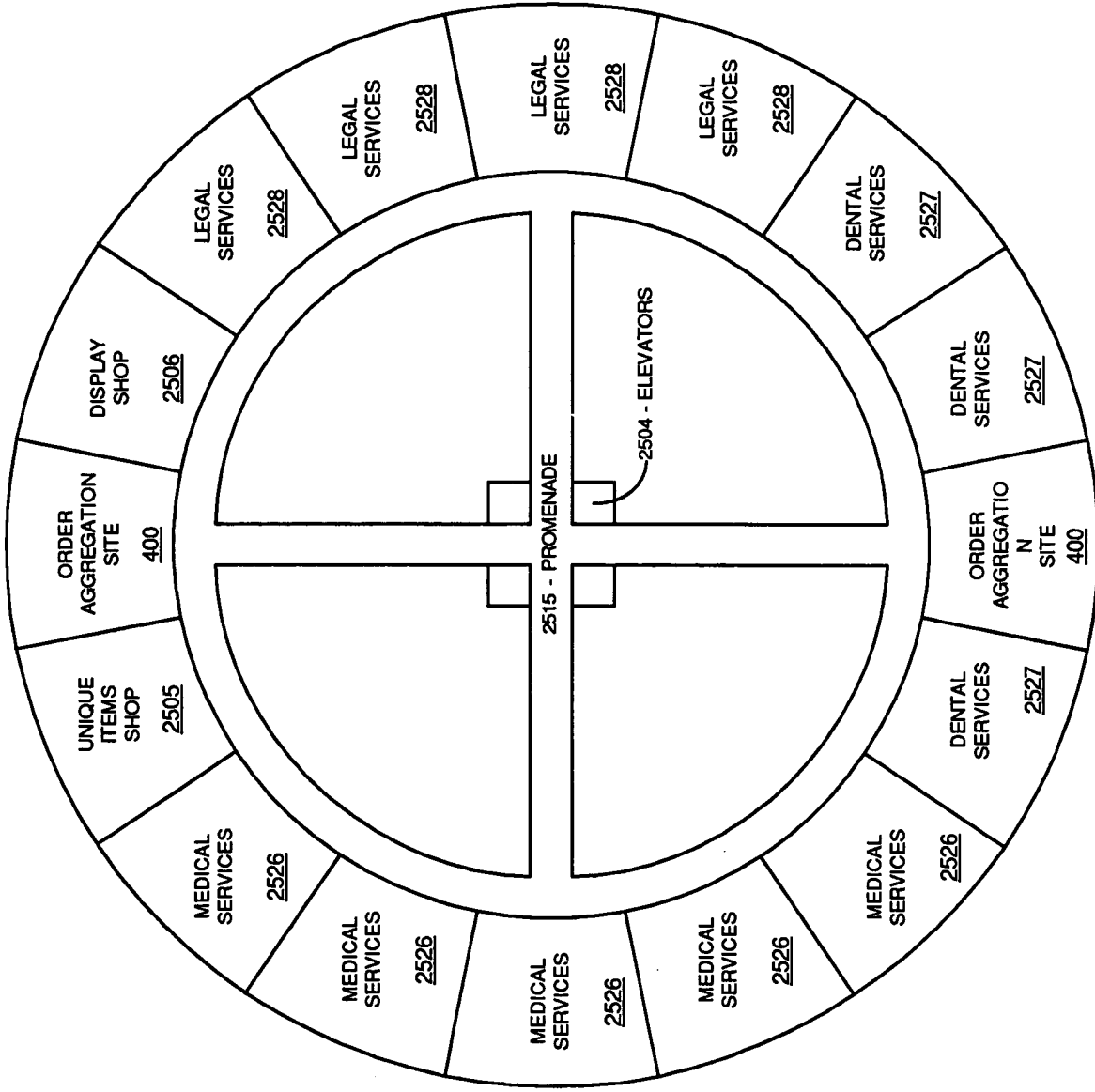
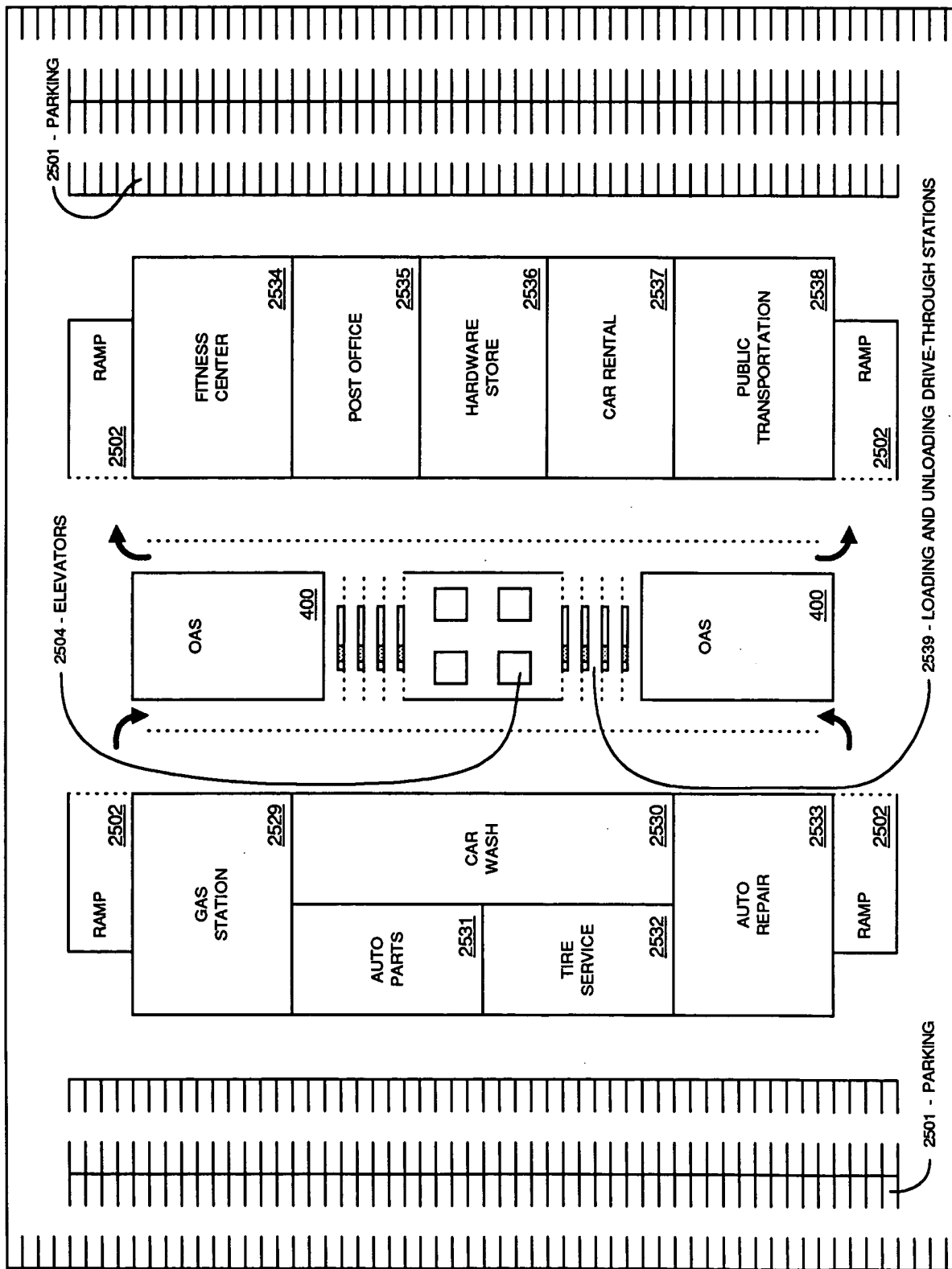


FIG. 25C





# EXAMPLE WEB PAGES FOR SETTING UNIFORM CONSUMER PREFERENCE CODES (UCPC)

2610 - REPRESENTATION OF UCPC

PRODUCT: 2611	BANANA 2612	
CODE NAME: 2613	GREEN 2614	
CHARACTERISTIC 2615	UNIT 2616	UCPC 2617
WEIGHT 2621	OUNCE 2631	7 2641
RIPENESS 2622	DAY 2632	3 2642

2650 - REPRESENTATION OF UCPC

PRODUCT: 2611	NEW YORK STEAK 2652	
CODE NAME: 2613	MY NY 2654	
CHARACTERISTIC 2615	UNIT 2616	UCPC 2617
THICKNESS 2661	INCH 2671	1 2681
WEIGHT 2662	OUNCE 2672	12 2682
MARBLE FAT 2663	SPOTS/SQ IN 2673	2 2683
PERIPHERAL FAT 2664	% 2674	5 2684

FIG. 26

## METHOD FOR SETTING UNIFORM CONSUMER PREFERENCE CODES (UCPC)

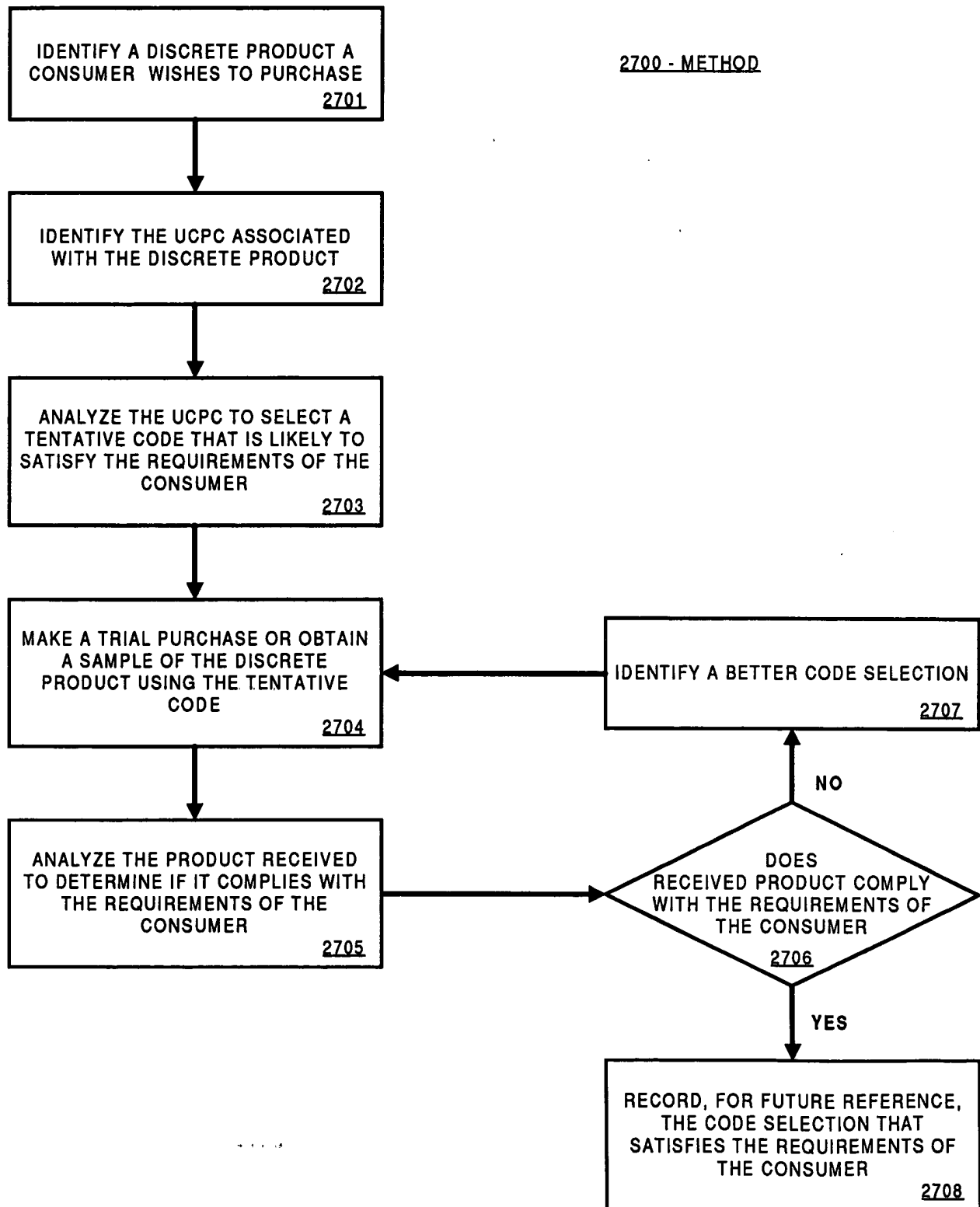
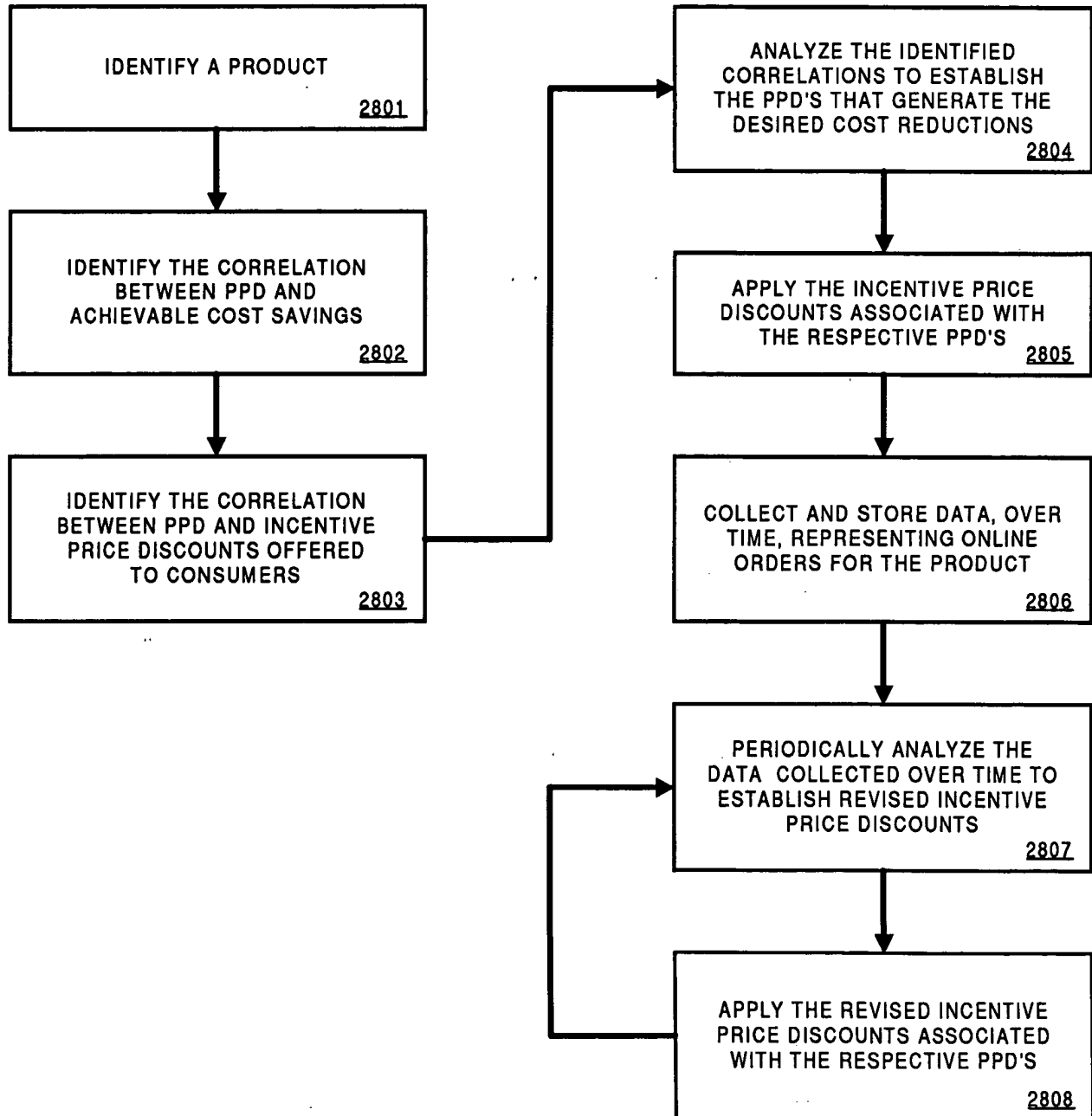


FIG. 27

**METHOD FOR CORRELATING INCENTIVE PRICE DISCOUNT TO  
PREDICTIVE PURCHASE DELAY (PPD)**

**2800 - METHOD**



**FIG. 28A**

# CONSUMPTION CRUISE CONTROL SYSTEM USING ADAPTIVE CLOSED LOOP CONTROLLER

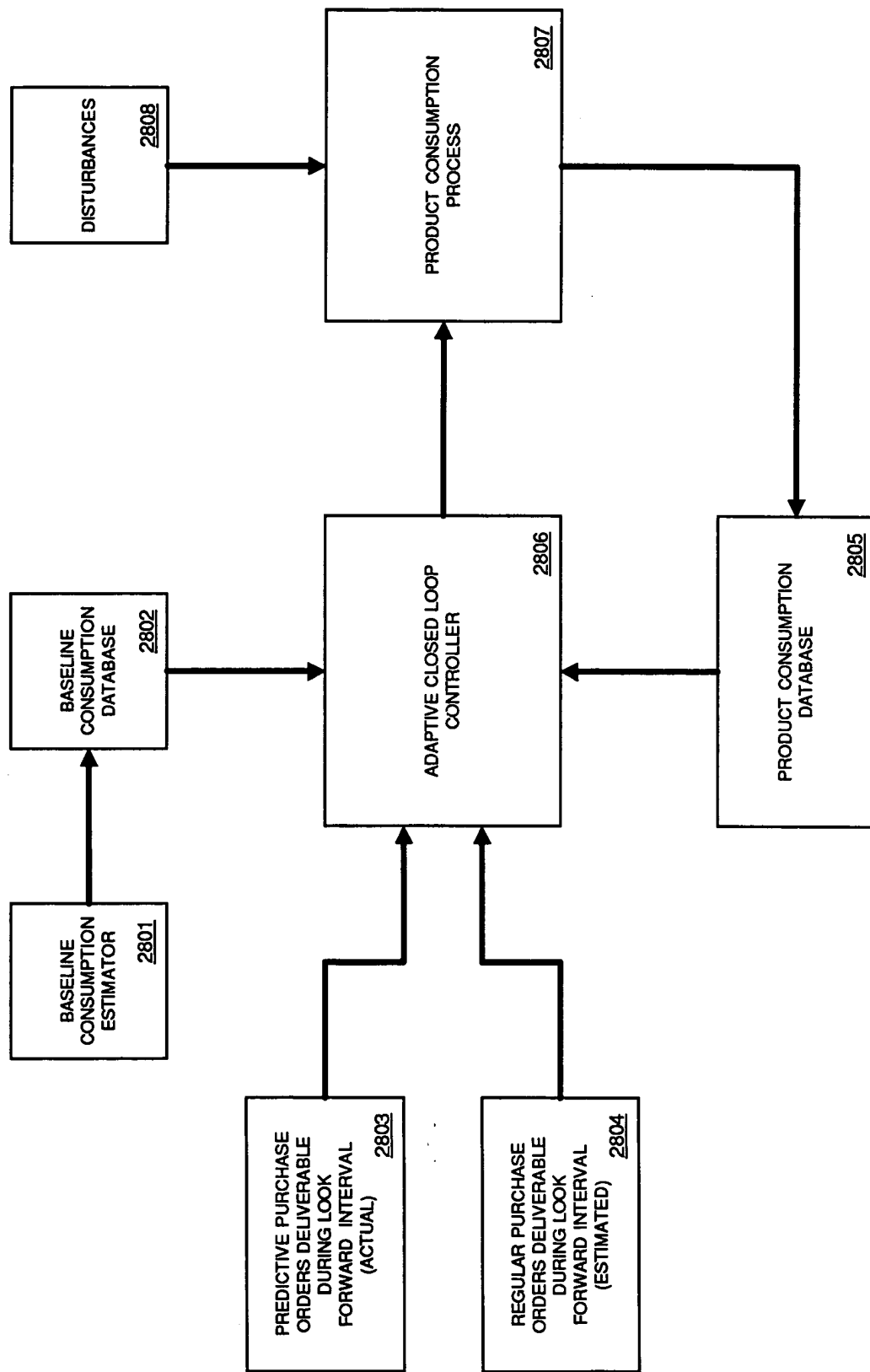


FIG. 28B

# METHOD FOR SMOOTHING FLUCTUATIONS IN PRODUCT CONSUMPTION

## 2850 - METHOD

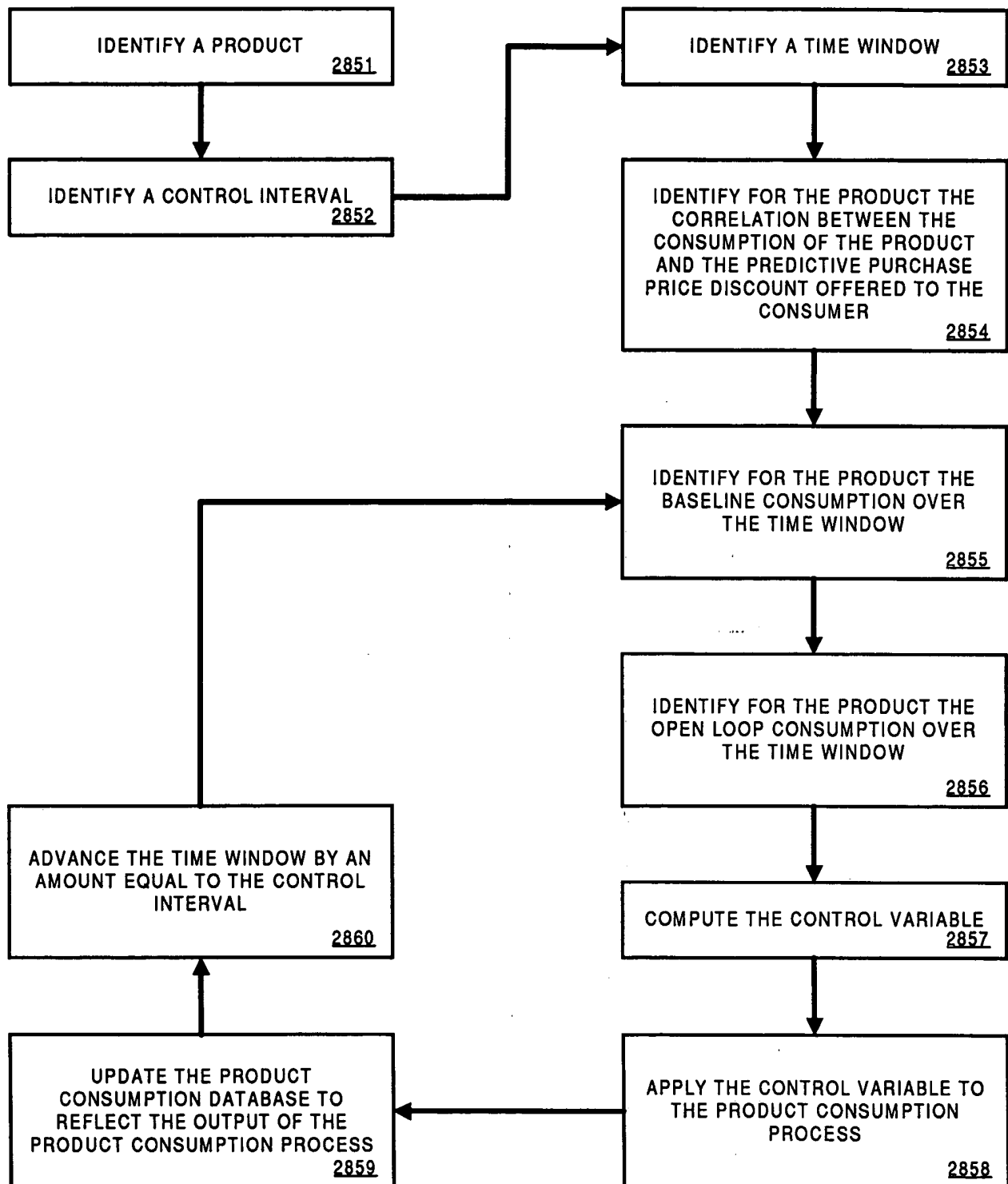


FIG. 28C

## METHOD FOR SENDING AND RECEIVING PACKAGES THROUGH AN OAS

### 2900 - METHOD

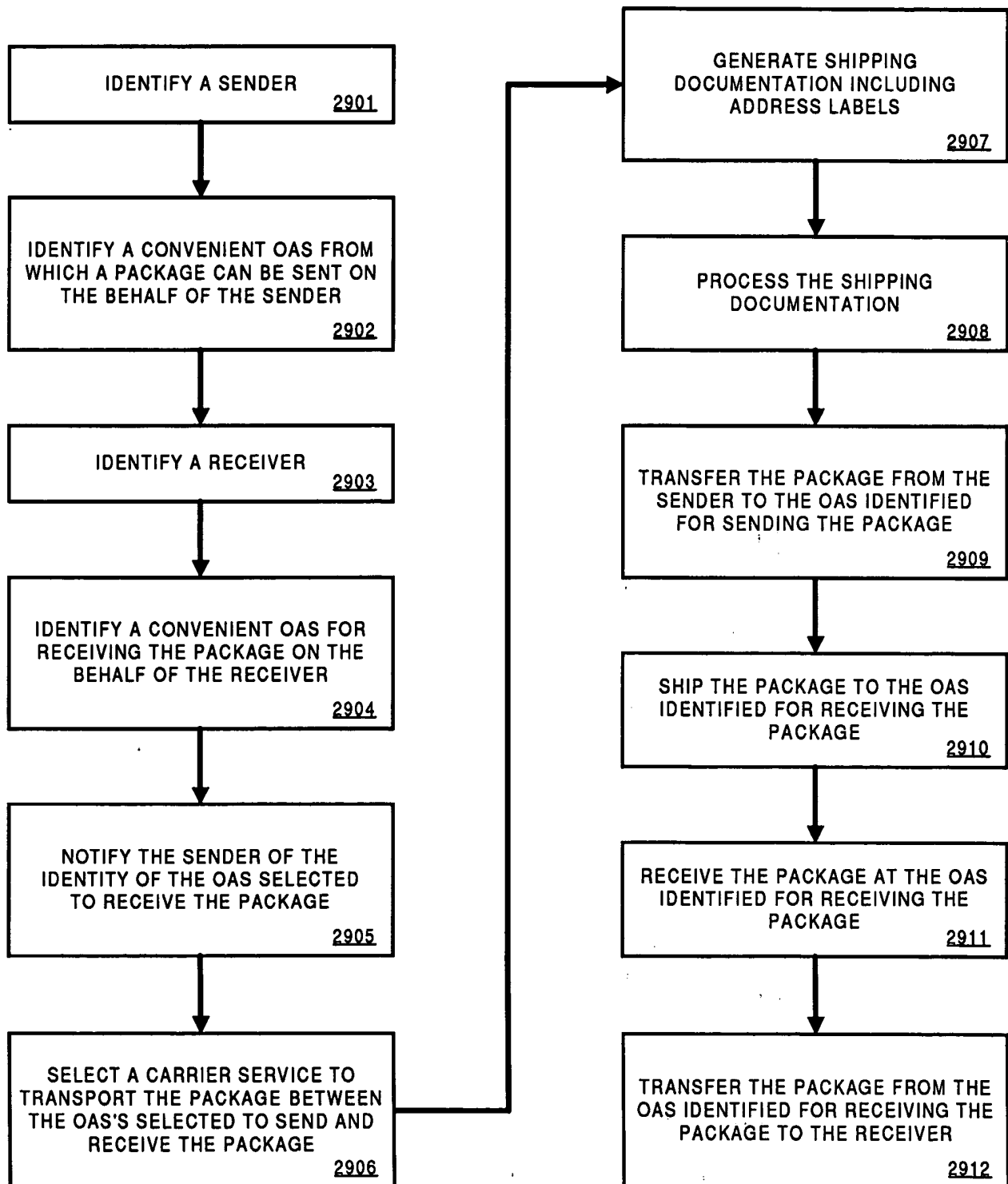


FIG. 29